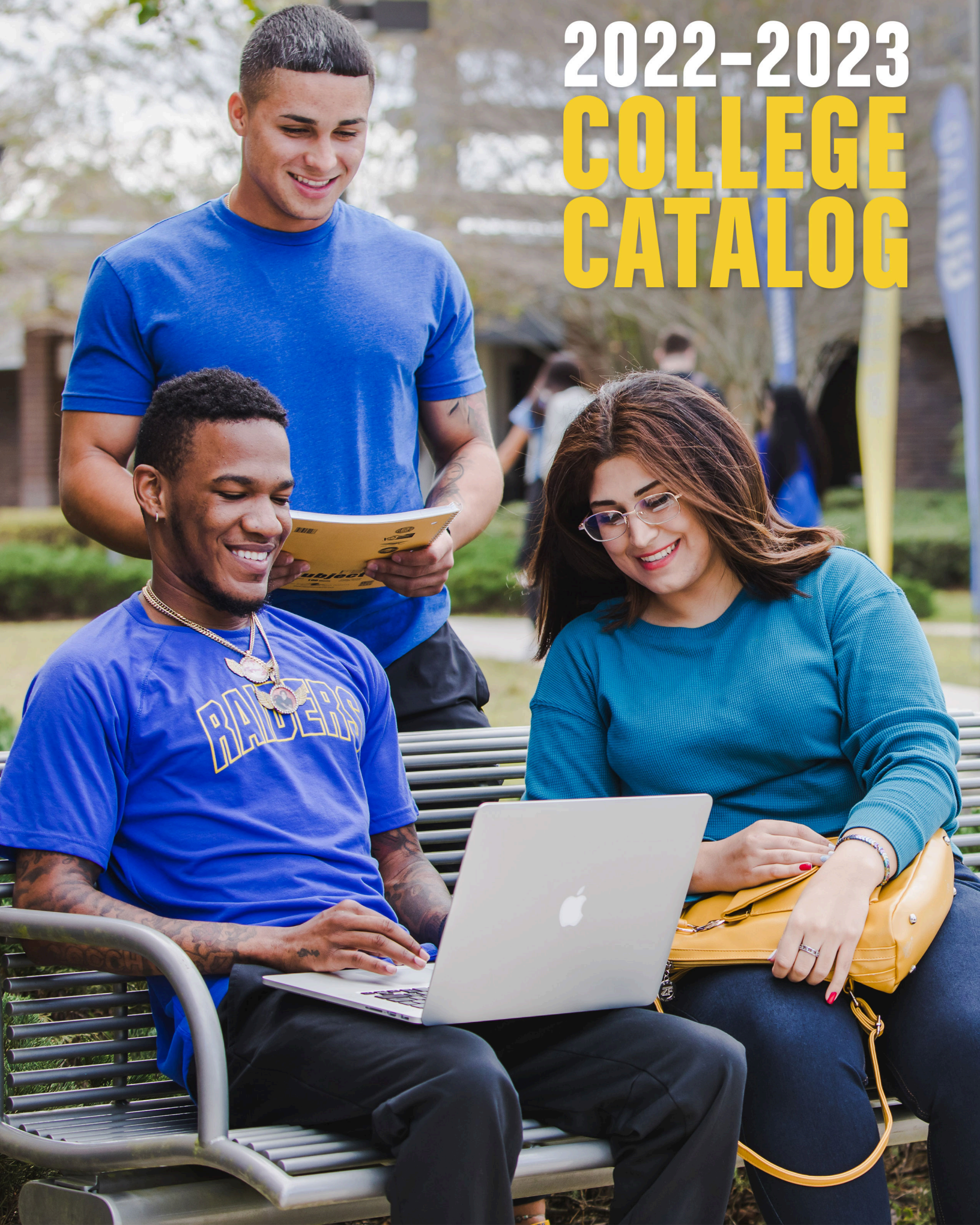# 2022-2023
COLLEGE CATALOG

2022–2023 Catalog
JULY 2022

VOLUME 58

Seminole State College of Florida is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate and baccalaureate degrees. Questions about the accreditation of Seminole State College of Florida may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

CAMPUSES:
- Altamonte Springs
- Heathrow
- Oviedo
- Sanford/Lake Mary

MAILING ADDRESS:
100 Weldon Boulevard
Sanford, FL 32773

PHONE:
407.708.4722

www.seminolestate.edu

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Approved Catalog Changes

The following updates have been made to the 2022–2023 catalog. This listing is for documentation purposes only. The official catalog of Seminole State College is the online version published on the College Website. All of the updates listed below are currently published in the online version of the College Catalog.

Section	Change/Update	Notes
Student Information/Fee Schedule	Resident/Total Credit Hour Rate	Correction updated 7/11/2022
Student Information/Academic Policies and Procedures	Update Standards of Academic Progress – College Procedure 4.1000	Updated 7/12/2022
Student Information/ Fall Academic Calendar	Updated commencement ceremony date	Updated 10/5/2022
Student Information/ Student Code of Conduct	Updated Student Code of Conduct (Policy 3.090) Revised 8/2022	Updated 11/1/2022
Academic Programs	Added Table of Contents to each Academic School w/disclaimers for Gen Ed Core, Civic Literacy, & Foreign Language	Updated 12/12/2022

General Information

Catalog Purpose

The official catalog of Seminole State College is the online version published on the College Website. Seminole State College of Florida makes every reasonable effort to ensure the accuracy of the Catalog at time of publication. Occasionally, changes must be made to carry out the purposes and objectives of the College. Any approved changes to the official catalog are published online in a file titled "Approved Catalog Changes."

Campus Locations

Seminole State College gives you the flexibility to take classes when and where you want – day, night or weekend at any of our four convenient campuses, or online.

All four campuses have their own flavor and specialty programs, and each campus offers a full array of student support services. Seminole State College is located in the metropolitan Orlando area, Florida.

Altamonte Springs Campus

The Altamonte Springs Campus opened in 2008 and serves one of the most populated areas of Seminole County. More than 100,000 people live within five miles of the campus. The campus concentrates in three key academic areas: healthcare and nursing, general education and adult education. In 2011, the College announced a major expansion at the campus, nearly tripling its size.

Heathrow Campus

The Center for Economic Development at Heathrow, which opened in 2007, positions Seminole State firmly along the Interstate 4 High Tech Corridor. The campus is home to the School of Construction, Design, Engineering, and Information Technologies and the Foundation for Seminole State College. In addition, the campus has created a spirit of collaboration in Seminole County with a unique economic development suite. Resident partners include the Seminole County Regional Chamber of Commerce, the Seminole County Economic Development Department, the Seminole Advisory Board Council, Leadership Seminole, the Florida High Tech Corridor Council and the Orlando Economic Partnership.

Robert and Jane Lee Campus at Oviedo

Situated on 180 acres, including a 120 acre nature preserve, the Oviedo campus offers a traditional collegiate atmosphere and beautiful old Florida views. The campus, located near the University of Central Florida, concentrates in three academic areas: general education, engineering technology and adult education. The campus, which opened in 2001, is also one of two locations for the Grindle Honors Institute.

Sanford/Lake Mary Campus

Public higher education in Seminole County was born here in August 1966. The Sanford/Lake Mary Campus sits on 200 acres, bordered by Sanford to the north and Lake Mary to the west. The campus is home of the Wayne M. Densch Partnership Center, UCF's regional campus, the Center for Public Safety, the Barbara Miller CFADA Automotive Training Center, the Fine Arts Building, the Weldon administration building, Raider athletics and the Grindle Honors Institute.

Academic Calendars

Spring
January 9 – April 29, 2023

Registration dates are subject to change.

Event	Full Session January 9– April 29	A Session January 9– March 1	12W Session January 30 – April 29	B Session March 13– April 29
Financial aid priority application deadline: All required documentation must be submitted to the Financial Aid Office to allow sufficient processing to meet on-time disbursements.	September 29	September 29	January 3	January 3
Priority registration begins for students authorized by Veterans Services, Disability Support Services, Honors, Student Life, and Athletics.	October 31	October 31	October 31	October 31
Registration begins for all degree-seeking returning students.	November 1	November 1	November 1	November 1
Registration begins for dual enrollment students	November 3	November 3	November 3	November 3
Registration begins for all new and non-degree seeking students (Open Enrollment).	November 3	November 3	November 3	November 3
Deadline to submit transcripts to Enrollment Services for evaluation.	November 11	November 11	December 6	January 23
Admissions application deadline for dual enrollment students.	December 2	December 2	December 2	December 2
Admissions application deadline for BACC students.	January 3	January 3	January 25	January 25
Admissions application deadline for new and transfer students.	January 3	January 3	January 23	February 27
Full-time faculty report.	January 4	January 4	January 4	January 4

Event	Full Session January 9– April 29	A Session January 9– March 1	12W Session January 30 – April 29	B Session March 13– April 29
Deadline to submit petitions: full cost of instruction, fourth attempt, or repeat of a course.	January 5	January 5	January 26	March 2
Deadline to reclassify eligibility for Florida residency for tuition purposes.	January 6	January 6	January 6	January 6
Last day to change program plan.	January 6	January 6	January 6	January 6
Classes begin.	**January 9**	**January 9**	**January 30**	**March 13**
First day to enroll as an audit student.	January 9	January 9	January 30	March 13
Registration begins for students with State Employee Fee Waivers. *Note: Registration start date if using a State Employee Fee Waiver.*	January 9	January 9	January 30	March 13
Registration begins for students with Senior Citizen Waivers. *Note: Registration start date if using a Senior Citizen Waiver.*	January 9	January 9	January 30	March 13
Admissions application deadline for transient students.	January 13	January 11	February 2	March 15
Last day to add/drop classes.	**January 13**	**January 11**	**February 2**	**March 15**
Last day to drop classes and receive a 100 percent refund (refund policy is subject to change without notice).	January 13	January 11	February 2	March 15
Student submission begins for Intent to Graduate Forms.	January 17	January 17	January 17	January 17

Event	Full Session January 9- April 29	A Session January 9- March 1	12W Session January 30 – April 29	B Session March 13- April 29
Grade roster validation due by 11:59 p.m. (including reporting W4s/No Shows).	January 19	January 17	February 7	March 20
Last day to charge books against financial aid account.	January 19	January 19	January 19	January 19
Grade lapse deadline: All incomplete "I" grades from Fall 2022term are changed to grades of "F."	February 8	February 8	February 8	February 8
Deadline for students to submit Intent to Graduate Forms.	February 24	February 24	February 24	February 24
Payment deferment deadline (Financial Aid/ Veterans Affairs).	March 9	March 9	March 9	March 9
Deadline to accept loans.	March 17	February 7	March 17	March 17
Last day for faculty members to assign the grade of "W2" to students on grade roster. *Career Certificate (Vocational Career) courses only. *Note: W2s cannot be removed once assigned. Students remaining in classes after this date will receive a final grade from their professors.*	March 20	February 9	March 28	April 14
Last day for students to withdraw from a college credit class. *Note: Students remaining in classes after this date will receive a final grade from their professors.*	March 20	February 9	March 28	April 14
Classes end.	**April 29**	**March1**	**April 29**	**April 29**
Deadline for faculty to submit grades (o*nline*	May 2	March 2	May 2	May 2

Event	Full Session January 9– April 29	A Session January 9– March 1	12W Session January 30 – April 29	B Session March 13– April 29
by 11:59 pm).				
Final work day for full-time faculty.	May 4	May 4	May 4	May 4
Grades available to students online (by 5:00 pm).	May 4	March 4	May 4	May 4
Commencement ceremony.	TBD	TBD	TBD	TBD

College Closings:
- College Closings (classes do not meet): Jan.2 (New Year's Day); Jan. 16 (Martin Luther King Jr. Day); March 5–12(Spring Break)

The terms "register" and "enroll" are used interchangeably. Examples: to register or to enroll for classes; to complete registration or enrollment into college coursework.

Summer

May 8 - August 2, 2023

Registration dates are subject to change.

Event	Full Session May 8 – August 2	A Session May 8 – June 19	B Session June 21 – August 2
Financial aid priority application deadline: all required documentation must be submitted to the Financial Aid Office to allow sufficient processing to meet on-time disbursements.	March 13	March 13	April 17
Priority registration begins for students authorized by Veterans Services, Disability Support Services, Honors, Student Life, and Athletics.	March 20	March 20	March 20
Registration begins for all degree-seeking returning students.	March 21	March 21	March 21
Registration begins for dual enrollment students	March 23	March 23	March 23
Registration begins for all new and non-degree seeking students (Open Enrollment)	March 23	March 23	March 23
Deadline to submit transcripts to Enrollment Services for evaluation.	March 27	March 27	April 1
Admissions application deadline for BACC students.	May 1	May 1	May 1
Admissions application deadline for new and transfer students.	May 1	May 1	June 14
Deadline to submit petitions: full cost of instruction, fourth attempt or repeat of a course.	May 1	May 1	June 15
Deadline to reclassify eligibility for Florida residency for tuition purposes.	May 5	May 5	May 5
Last day to change program plan.	May 5	May 5	May 5
Full-time faculty report.	May 5	May 5	June 21

Event	Full Session May 8 – August 2	A Session May 8 – June 19	B Session June 21 – August 2
Classes begin.	**May 8**	**May 8**	**June 21**
First day to enroll as an audit student.	May 8	May 8	June 21
Registration begins for students with State Employee Fee Waivers. *Note: Registration start date if using a State Employee Fee Waiver.*	May 8	May 8	June 21
Registration begins for students with Senior Citizen Waivers. *Note: Registration start date if using a Senior Citizen Waiver.*	May 8	May 8	June 21
Admissions application deadline for transient students.	May 11	May 10	June 26
Last day to add/drop classes.	**May 11**	**May 10**	**June 26**
Last day to drop classes and receive a 100 percent refund (refund policy is subject to change without notice).	May 11	May 10	June 26
Student submission begins for Intent to Graduate Forms.	May 15	May 15	May 15
Last day to charge books against financial aid account.	May 17	May 17	May 17
Grade roster validation due (including reporting W4s/No Shows). *– By 11:59 pm – Full, A Sessions* *– By noon 11:59 am – B Session*	May 17	May 16	June 29
Deadline for students to submit Intent to Graduate Forms.	June 7	June 7	June 7
Grade lapse deadline: All incomplete "I" grades from Spring 2023 term are changed to grades of "F."	June 7	June 7	June 7
Last day for faculty members to assign the grade of "W2" to students on grade roster.	June 29	June 3	July 17

Event	Full Session May 8 – August 2	A Session May 8 – June 19	B Session June 21 – August 2
*Career Certificate (Vocational Career) courses only. *Note: W2s cannot be removed once assigned. Students remaining in classes after this date will receive a final grade from their professors.*			
Last day for students to withdraw from a college credit class. *Note: Students remaining in classes after this date will receive a final grade from their professors.*	June 29	June 3	July 17
Deadline to accept loans	July 5	May 25	July 5
Payment deferment deadline (Financial Aid/Veterans Affairs).	July 6	July 6	July 6
Classes end.	**August 2**	**June 19**	**August 2**
Deadline for faculty to submit grades (online by 11:59 pm).	August 4	June 20	August 4
Final work day for full-time faculty.	August 4	June 20	August 4
Grades available to students online (by 5:00 pm).	August 7	June 22	August 7

College closings:
- College four-day class schedule (College closed each Friday during Summer Term): May 7 – July 29, 2023. The College will resume its regular scheduled workweek beginning July 30, 2023.
- College Closings (classes do not meet): May 29 (Memorial Day), July 4 (Independence Day).

The terms "register" and "enroll" are used interchangeably. Examples: to register or to enroll for classes; to complete registration or enrollment into college coursework.

Fall ABE/GED & Center for English Language Studies Calendar
August 22 - December 10, 2022

Event	Full Session August 22 – December 10	A Session August 22 – October 14	B Session October 17 – December 10
Registration begins.	June 28	June 28	June 28
Full-time faculty report.	August 17	August 17	August 17
Classes begin.	**August 22**	**August 22**	**October 17**
Student submission begins for Intent to Graduate Forms.	August 29	August 29	August 29
Last day to add/drop classes.	**September 2**	**August 26**	**October 21**
Grade roster validation due by 1159 p.m. (including reporting W4s/No Shows).	September 8	August 31	October 26
Deadline for students to submit Intent to Graduate Forms.	October 14	October 14	October 14
Classes end.	**December 10**	**October 14**	**December 10**
Deadline for faculty to submit grades (online by 11:59 p.m.).	December 13	October 15	December 13
Final work day for full-time faculty	December 13	December 13	December 13
Grades available to students online (by 5:00 p.m.).	**December 15**	**October 18**	**December 15**
Commencement ceremony.	**TBD**	**TBD**	**TBD**

College Closings:
- **College-wide Convocation (Faculty in-service/no classes): Sept. 27**
- **College Closings (classes do not meet): Sept. 5 (Labor Day); Nov. 23-27 (Thanksgiving); Dec. 22-31 (Winter Break)**

The terms "register" and "enroll" are used interchangeably. Examples: to register or to enroll for classes; to complete registration or enrollment into college coursework.

Spring ABE/GED & Center for English Language Studies Calendar
January 9 – April 29, 2023

Event	Full Session January 9– April 29	A Session January 9– March 1	B Session March 13 – April 29
Registration begins.	November 1	November 1	November 1
Full-time faculty report.	January 4	January 4	January 4
Classes begin.	**January 9**	**January 9**	**March 13**
Student submission begins for Intent to Graduate Forms.	January 17	January 17	January 17
Last day to add/drop classes.	**January 23**	**January 13**	**March 17**
Grade roster validation due by 11:59 pm (including reporting W4s/No Shows).	January 26	January 19	March 22
Deadline for students to submit Intent to Graduate Forms.	February 24	February 24	February 24
Classes end.	**April 29**	**March 1**	**April 29**
Deadline for faculty to submit grades (o*nline by 11:59 pm).*	May 2	March 2	May 2
Grades available to students online (by 5:00 pm).	May 4	March 4	May 4
Final work day for full-time faculty.	May 4	May 4	May 4
Commencement ceremony.	**TBD**	**TBD**	**TBD**

College closings:
- College Closings (classes do not meet): Jan. 2 (New Year's Day); Jan. 16 (Martin Luther King Jr. Day); March 5-12 (Spring Break)

The terms "register" and "enroll" are used interchangeably. Examples: to register or to enroll for classes; to complete registration or enrollment into college coursework.

Summer ABE/GED & Center for English Language Studies Calendar
May 8 - August 2, 2023

Event	Full Session May 8 – August 2	A Session May 8 – June 19	B Session June 22 – August 2
Registration begins.	March 21	March 21	March 21
Full-time faculty report.	May 5	May 5	June 21
Classes begin.	**May8**	**May8**	**June 21**
Student submission begins for Intent to Graduate Forms.	May 15	May 15	May 15
Last day to add/drop classes.	**May 23**	**May 15**	**June 28**
Grade roster validation due by 11:59 pm (including reporting W4s/No Shows).	May 30	May 18	July 5
Deadline for students to submit Intent to Graduate Forms.	June 7	June 7	June 7
Classes end.	**August 2**	**June 19**	**August 2**
Deadline for faculty to submit grades (online by 11:59 pm).	August 4	June 20	August 4
Final work day for full-time faculty.	August 4	June 20	August 4
Grades available to students online (by 5:00 pm).	August 7	June 22	August 7

College closings:
- College four-day class schedule (College closed each Friday during Summer Term): May 9 – July 29, 2023. The College will resume its regular scheduled workweek beginning July 30, 2023.
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The terms "register" and "enroll" are used interchangeably. Examples: to register or to enroll for classes; to complete registration or enrollment into college coursework.

History of College

From Orange Grove to Alma Mater

As the 1960s began, a college education was just a dream for most Central Florida residents. Between 1950 and 1965, Central Florida's population had more than doubled. However, for Seminole and Orange counties, there was no public college or university.

County and school leaders, working with area legislators, led the charge to create a public college in the 1965 legislative session and on June 4, 1965, Governor W. Haydon Burns signed Senate Bill No. 17, which created the College and appropriated $30,000 to get it off the ground. The College was chartered on July 1, 1965.

In November 1965, the College was named Seminole Junior College.

A Groundbreaking Beginning

At the start of 1966, newly hired President Dr. Earl S. Weldon, then 37, quickly began the task of building a new college in a little more than seven months.

In February, Dr. Weldon identified college programs and searched for a suitable location. By the end of March, the School Board agreed to purchase a 170-acre site near the geographic center of the county as the campus.

Over the next five months, 23 full-time professors were hired, students began to register, and Dr. Weldon scrambled to find portable buildings for the campus. Ten portable classrooms were moved to the campus and readied for the first day of classes.

The College's first Student Center was a portable that was donated by the Walt Disney Co., which had announced plans to build Walt Disney World just a few months before.

When Seminole Junior College opened as the first public college in greater Orlando on Aug. 29, 1966, about 750 students showed up.

In May 1968, the College held its first graduation exercises for 112 students.

A master plan was unveiled for the College and construction of permanent buildings (F, L, S and V) began in 1969. Over the next decade, the former citrus grove was transformed into a metropolitan college campus.

In August 1970, Dr. Weldon's vision for a comprehensive community college was realized as the College assumed responsibility for all adult, general and vocational education for Seminole County, becoming one of the first comprehensive colleges in Florida.

On July 1, 1975, Seminole Junior College became Seminole Community College to better describe the vast diversity of educational programs available at the College. By the end of the College's first decade, enrollment had increased to 14,161.

After 30 years of service, Dr. Weldon officially retired on Jan. 31, 1996. When he retired, he was the longest-serving and last founding president still presiding over an institution in Florida.

Expanding Opportunities

In February 1996, Dr. E. Ann McGee, a community college graduate and administrator at Broward College, became the College's second president. Determined to raise the College's profile, she began her administration on the eve of a major expansion.

Under her leadership, the College has opened three campuses and completed an $85 million renovation of its Sanford/Lake Mary Campus with more expansion on the horizon.

The Oviedo Campus opened in January 2001 to serve the educational and workforce development needs of eastern Seminole County. The campus was officially renamed the Robert and Jane Lee Campus at Oviedo in 2018 in honor of their financial contribution and commitment to the College. The Center for Economic Development at Heathrow, which houses Central Florida's economic development leaders as well as classrooms and student services, opened in August 2007.

The Altamonte Springs Campus, which opened at near capacity in January 2008, serves one of the largest population areas of Central Florida. The campus houses healthcare programs, a diverse offering of A.A. degree courses and Adult Education. In 2010, the College purchased 28.57 additional

acres to triple the size of the Altamonte Springs Campus.

In 2009, Seminole Community College became Seminole State College of Florida to reflect the expanding mission of the College as it began to offer bachelor's degrees to meet the community's needs for a highly trained workforce.

In 2010, Seminole State began offering its first baccalaureate degree. Four more bachelor's degrees were added in January 2012. A sixth bachelor's degree in health sciences began in May 2016. An RN-to-BSN (Bachelor of Science in Nursing) was added in January 2018.

In 2013, following a successful fundraising year with $5 million in donation revenue, the Foundation for Seminole State College launched the first comprehensive fundraising effort in its history - Changing Lives, the Campaign for Student Success. The Foundation exceeded the $12 million goal of the three-year campaign in 2016, celebrating $13.553 million in donations to establish programs and scholarships.

Strong Leadership

With its strong focus on academics, Seminole State continues to attract top students. Since 2006, the College's honors students have won 21 Jack Kent Cooke (JKC) Foundation Undergraduate Transfer scholarships. In 2015, Seminole State became only the second college in the U.S. to have four scholars in one year receive the award. The scholarship, presented each year to the top graduating community college students nationwide, awards up to $40,000 each year to cover recipients' educational costs while completing their bachelor's degrees and up to $50,000 per year for graduate study. The JKC award is the largest private scholarship in the country for transfer students.

In 2006, Seminole State continued its longtime partnership with the University of Central Florida by creating DirectConnect to UCF®. This program, considered a national model, guarantees entrance and accelerated admission to UCF for students who complete their associate degrees from Seminole State. More than 13,000 Seminole State students participate in DirectConnect.

As another example of partnership in education, Seminole State and Seminole County Public Schools' longtime efforts to improve college readiness received national recognition. In 2014, Dr. McGee and SCPS Superintendent Dr. Walt Griffin were invited to attend the White House College Opportunity Day of Action Summit with President and Michelle Obama. Because of the exceptional partnership between Seminole County Public Schools, Seminole State and the University of Central Florida, a Seminole County student can be educated in Seminole County from kindergarten to their doctorate.

50 Years of Changing Lives

In 2015, Seminole State College celebrated its 50th anniversary, marking the milestone with student, employee and community celebrations throughout Seminole County.

In honor of the College's golden anniversary, the Fall 2015 Commencement Ceremony celebrated 50 years of student achievement and marked the official launch of the Seminole State College Alumni Association. Seminole State also debuted its Alma Mater, which served as the grand finale to the yearlong festivities and honors the thousands of students who have attended in the College's history.

Transforming Tomorrow

Seminole State continues to lead by example. Since 2012, the College has received nearly $10 million in grant funding for STEM programs and has promoted service learning by engaging students in hands-on projects locally and abroad.

Supporting its vision of being a student-centered college, Seminole State opened a new $25 million Student Center at the Sanford/Lake Mary Campus in January 2018. The two-story, 77,000 square-foot building serves as a one-stop facility for student services and student life from admission through graduation.

After 22 years of service, Dr. McGee stepped down as president on July 31, 2018. Under Dr. McGee's leadership, Seminole State grew from a single-campus community college into a dynamic state educational institution with four campuses and nearly 30,000 students annually.

Building on a Legacy

On August 1, 2018, Seminole State College welcomed its third president, Dr. Georgia Lorenz, ushering in a new chapter in the College's history. With more than 20 years of experience in higher education, Dr. Lorenz is eagerly building on Seminole State's legacy.

Dr. Lorenz's primary goals are for the College to continue to shine academically; provide a launch pad for students wanting to continue their education or start or advance their careers; serve as a nexus and resource for the community; facilitate connections and engagement between schools, colleges and universities, community organizations, chambers, and business and industry; and provide opportunity for a high-quality postsecondary education for all students including those from underserved populations.

Under her leadership, Seminole State has been named among the top 150 community colleges in the nation by the Aspen Institute and has become eligible to compete for the $1 million Aspen Prize for Community College Excellence, the nation's signature recognition of high achievement among America's community colleges.

The College also has been recognized for its efforts to promote diversity and inclusion, winning the American Association of Community College's Award of Excellence for Advancing Diversity and the American Community College Trustees' Southern Region Equity Award in 2020, as well as *Inside Higher Ed* magazine's Higher Education Excellence in Diversity (HEED) Award (eighth consecutive year for HEED Award) in 2021.

Seminole State also has continued to expand options for its students, embarking on a new partnership with UF Online, which offers fully online, undergraduate degrees from the University of Florida. UF Online offers Seminole State Associate in Arts (A.A.) graduates easy transfer to bachelor's degree programs not offered at Seminole State. A.A graduates can also transfer to the University of Central Florida through DirectConnect to UCF$^{®}$, or stay at Seminole State to complete their bachelor's degree.

For more than 50 years, Seminole State has thrived by adapting to, and meeting the needs of, an ever-changing community. By offering high-quality educational programs and services, the College continues to provide students and area residents with a multitude of resources. Now, and in the years to come, opportunities for personal and professional growth abound at Seminole State.

It all started with a dream...a dream that has been realized in extraordinary ways.

Mission Statement

Seminole State College of Florida enhances the educational, economic, and cultural vitality of our region by providing exemplary learning opportunities for the diverse community we serve.

Vision Statement

Seminole State College of Florida will be a national leader in academic programs and services, cultivating equitable and excellent student outcomes, career advancement, and civic engagement in a global society through a collaborative and inclusive environment.

Core Values

Seminole State College's core values define the principles of our diverse college community and guide each of us in promoting an environment where individuals learn, grow, and succeed.

Integrity: We exemplify ethical conduct, fairness, equity, and honesty.

Learning: We ensure equitable access to innovative and creative learning opportunities, foster critical thinking and academic freedom, and support the respectful exchange of opinions.

Inclusion: We engage in practices that respect individuals' unique qualities and strive for participation and achievement for all.

Excellence: We engage in rigorous academic inquiry and create an exemplary work environment through exceptional performance.

Strategic Goals and Strategic Actions: For Our Students

Strategic Goals	Increase student engagement and student participation in learning processes.	Improve graduation rates and accelerate student progress to credential completion.	Close the gap in achievement rates for minority and underserved students.	Maintain high rates of career placement and improve rates of baccalaureate transition.
Strategic Actions				
Offer engaging, relevant, high-quality courses, programs, and extra-curricular activities.	★	★	★	★
Enhance student guided pathway practices to better help students explore, choose, and plan a program of study best suited to their interests and aspirations.	★	★	★	★
Align and integrate College-wide practices for student recruitment, enrollment, retention, and graduation.	★	★	★	★
Provide resources that reduce non-academic barriers to student success.	★	★	★	
Design and implement a first-year experience for students, grounded in sound educational research and practice.	★	★	★	
Increase and diversify flexible course and program schedule options for students.	★	★	★	★
Increase student opportunities for specialized training, internships, and career experiences responding to workforce needs.	★	★	★	★

Strategic Goals	Increase student engagement and student participation in learning processes.	Improve graduation rates and accelerate student progress to credential completion.	Close the gap in achievement rates for minority and underserved students.	Maintain high rates of career placement and improve rates of baccalaureate transition.
Update student learning outcomes and assessments used to verify student engagement, learning, and development.	★	★	★	
Streamline processes for eligible students to earn college credits through alternative means.	★	★	★	
Key Performance Indicators	CCSSE Survey Results. Rate Your Experience Student Survey Results. Re-enrollment rates.	IPEDS Graduation Rate (associate graduates). FCS Graduation Rate (all graduates). Average Time to Credential.	Success rates for minority student. Success rates for Pell grant students.	FCS Placement Rates. Success rates of associate grads transitioning to baccalaureates.

Strategic Goals and Strategic Actions: For Our Employees

Strategic Goals	Build a College culture of employee satisfaction.	Achieve External Recognition as a Great Place to Work	Ensure staffing levels are ideal and compensation levels are competitive.
Strategic Actions			
Create a flexible work environment aligned with College goals.	★	★	★
Encourage and enhance employee career and professional development opportunities.	★	★	★
Cultivate shared governance in college operations to strengthen equitable participation.	★	★	★
Ensure college policies, procedures, practices, and processes support employee wellbeing, productivity, and institutional efficiencies.	★	★	★
Key Performance Indicators	Number of employees on collaborative and shared governance opportunities. Employee Engagement survey responses.	Great Colleges Survey Ratings. External awards for diversity, inclusion, employee recognition, and work environment.	Student to Faculty Ratio. Student to Staff Ratio. Employee Engagement survey responses

Strategic Goals and Strategic Actions: For Our Region

Strategic Goals	Increase the proportion of working adults in the region with postsecondary credentials.	Achieve community perception as a preferred educational destination.	Enhance community participation in cultural, community, and educational activities.
Strategic Actions			
Create enthusiasm with students, parents, partners, and community on our quality, affordability, and value.	★	★	★
Grow external and overall funding.	★	★	★
Promote sustainability and minimize environmental impacts.	★	★	★
Enhance safety, security, and campus environments.	★	★	★
Achieve outstanding results from accrediting agencies as well as federal, state, and local reviews.	★	★	★
Key Performance Indicators	Number of credentials awarded. Percent Seminole County workforce with postsecondary credentials.	Number of applications and new students. Foundation Funding and Investments. Grant Funding and Investments. Campus safety indicators. Costs and revenues per student.	Attendance at college events. Number of community members on advisory boards.

College Resources

Resource	Contact	Website/Phone Number
Academic standing, warning, probation, suspension, dismissal or reinstatement	Academic Advising and Counseling	www.seminolestate.edu/counseling 407.708.2337
Admissions (noncredit programs, such as Adult Education , GED, ELS)	Adult Education, GED, ELS	www.seminolestate.edu/adult-ed 407.708.2153
Admissions (college credit and vocational)	Admissions	www.seminolestate.edu/future-students/more-info/contact-us 407.708.2050
Athletics	Raider Athletics	www.seminolestate.edu/athletics 407.708.2090
Books and classroom supplies	Seminole State Bookstores	www.seminolestate.edu/bookstore 407.708.2021 Altamonte Springs: ext. 3 Sanford/Lake Mary, Oviedo, and Heathrow: ext. 5
Campus closures	Emergency Hotline	www.seminolestate.edu/alert 407.708.2290
Career research	Career Center	www.seminolestate.edu/careers 407.708.2033
Computer support (password resets, email assistance)	HelpDesk	www.seminolestate.edu/cts/computing-and-user-services/helpdesk 407.708.2000
Concerns regarding physical plant	Facilities Management	www.seminolestate.edu/facilities 407.708.2175
Continuing Education	Continuing Education and Professional Development	www.seminolestate.edu/professional-development 407.321.3495
Cooperative education and internships	Career Center	www.seminolestate.edu/careers/co-op 407.708.2033
Counseling and advisement	Academic Advising and Counseling	www.seminolestate.edu/counseling 407.708.2337
Disability support services	Disability Support Services	www.seminolestate.edu/dss 407.708.2110
Early college/Dual enrollment	Dual Enrollment	www.seminolestate.edu/dual-enrollment 407.708.2762

Resource	Contact	Website/Phone Number
Emergencies	Safety and Security	**911** or www.seminolestate.edu/security All Campuses: 407.708.2178
Fees and adjustments in College bill	Finance Services	www.seminolestate.edu/business-services/student-accounting 407.708.2140
International students	International Student Office	www.seminolestate.edu/iso 407.708.2043
Intramural sports	Intramural and Recreational Sports Office	www.seminolestate.edu/intramural 407.708.2926
Job placement (off-campus)	Career Center	www.seminolestate.edu/careers 407.708.2033
Learning resources	College Libraries	www.seminolestate.edu/library Altamonte Springs: 407.404.6025 Oviedo:407.971.5061 Sanford/Lake Mary and Heathrow: 407.708.2305
Loans	Financial Aid	www.seminolestate.edu/financial-aid/types-of-aid/loans 407.708.2045
Lost and found	Safety and Security	www.seminolestate.edu/security All Campuses: 407.708.2178
Online class support (distance learning, eLearning)	Seminole Online	www.seminolestate.edu/online 407.708.2424
Permission to organize a club	Student Life	https://www.seminolestate.edu/student-life/clubs/ 407.708.2678
Scholarships	Foundation for Seminole State College	www.seminolestate.edu/foundation/scholarships/ 407.708.4567
Student and special activities	Student Life	www.seminolestate.edu/student-life/ 407.708.2678
Student records, registration, add/drop, withdrawals, certification to graduate, transfer credit evaluation	Enrollment Services and Registrar	www.seminolestate.edu/registrar 407.708.2050
Test results and interpretation	Academic Advising and Counseling	www.seminolestate.edu/counseling 407.708.2337
Testing (placement tests, specialty exams,	Assessment and Testing	www.seminolestate.edu/testing 407.708.2020

Resource	Contact	Website/Phone Number
make-up tests)		
Transfer (in or out)	Enrollment Services and Registrar	www.seminolestate.edu/registrar 407.708.2050
Tutoring	Academic Success Centers	www.seminolestate.edu/academic-success Altamonte Springs: 407.404.6050 Heathrow: 407.708.4415 Oviedo: 407.971.5044 Sanford/Lake Mary: 407.708.2102
Veterans support	Veteran Student Services	www.seminolestate.edu/veterans 407.708.2242
Work-Study Program	Financial Aid	www.seminolestate.edu/financial-aid/types-of-aid/ 407.708.2045

General Statement of Rules and Regulations

General Statement

All students are expected to be aware of the rules, regulations and other information provided in this catalog, the Student Rights and Responsibilities or Code of Conduct section of the Student Handbook and on bulletin boards. The Director, Enrollment Services/Registrar is responsible for interpreting the College Catalog regarding admission, registration and graduation. When indicated, the director will seek Board approval. All students are responsible for coordinating their program at Seminole State College with that of the senior college or university of their choice. The College reserves the right to change regulations, policies, schedules and courses without notice.

Nondiscrimination Statement

Seminole State College of Florida strictly prohibits discrimination on the basis of race, color, religion, pregnancy, national origin, ethnicity, age, sex, gender, veterans' or military status, disability, sexual orientation, genetic information, marital status or any other factor protected under applicable federal, state and local laws, rules and regulations in its programs, activities and employment. This statement supports obligations under Title IX and various other laws including the Violence Against Women Act and the Campus Sexual Violence Elimination (SaVE) Act.

Complaints alleging discrimination shall be submitted to:

Equity Officer: AVP, Equity and Diversity/Title IX Coordinator or by mail at 100 Weldon Blvd., Sanford, FL 32773. Telephone (407) 708-2963; email balanoffj@seminolestate.edu.

Red Flag Identity Theft Prevention Program

The Red Flag Identity Theft Prevention program is designed to detect, prevent and mitigate identity theft in connection with a covered account and to provide for continued administration of the program in compliance with the Fair and Accurate Credit Transactions (FACT) Act of 2003.

For additional information on identity theft, see Seminole State's Red Flag Identify Theft Prevention Program – Policy 1.260.

Year Round Operations, Academic Terms and Sessions

Seminole State College offers year-round operations. The academic year is 12 months and includes the following features:

1. The College calendar is coordinated with state university calendars.
2. The College offers three academic terms with multiple sessions within each term, making it possible for students to complete programs early or take developmental course work if necessary. Academic terms include: Fall, Spring and Summer. Academic sessions within the academic term include: Full-Term (FT), Session A, 12-week (12W), Session B and Odd-Term (OT).
3. Extracurricular activities are offered throughout the year.

Sexual Predators or Offenders

Federal and state law requires a person designated as a "sexual predator or offender" to register with the Florida Department of Law Enforcement (FDLE).

FDLE is required to notify the local law enforcement agency where the registrant resides, attends or is employed by an institution of higher learning. The local law enforcement agency is then required to notify the appropriate educational institution.

The College denies admission/enrollment to students who are officially designated as Sexual Predators/Sexual Offenders. If an academic term has already begun at the time the College received notification of offender status, the student's admission will be rescinded, and an administrative withdrawal and refund for fees paid for the term in progress will be processed. The student may also receive credit for required textbooks purchased for classes from which the student has withdrawn. All requests for textbook refunds must be received before the end of the term of withdrawal. For further information, including appeals, refer to

College Procedure 1.3000.

Information regarding sexual predators or offenders may be obtained from the local law enforcement agency with jurisdiction for the particular campus or by calling the FDLE hotline at 888.FL.PREDATOR (888.357.7332) or by visiting the FDLE website.

For questions or additional information regarding this notice, contact the Director, Campus Safety and Security at 407.708.2492, room J-0009D (building J) on the Sanford/Lake Mary Campus.

Articulation Agreements
State of Florida Articulation Agreement

Seminole State College Associate in Arts degree graduates are guaranteed the following rights under the Statewide Articulation Agreement (State Board of Education Rule 6A-10.024):

1. Admission to one of the state universities, except to limited-access programs that have additional admission requirements.
2. Acceptance of at least 60 credit hours by the state universities.
3. Adherence to university requirements and policies based on the catalog in effect at the time the student first entered a state or community college, provided the student maintains continuous enrollment.
4. Transfer of equivalent courses under the Statewide Course Numbering system.
5. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, Dual Enrollment, Early Admission and International Baccalaureate).
6. No additional general education core requirements.
7. Advanced knowledge of selection criteria for limited-access programs.
8. Equal opportunity with native university students to enter limited-access programs.

Should any of the above guaranteed rights be denied, students should contact Carlene McNeil, Director, Curriculum, Credentialing & Academic Scheduling at 407.708.2683 or mcneilc@seminolestate.edu.

Several types of articulation agreements between local school districts and the College, as well as between the College and bachelor degree-granting institutions, benefit Seminole State students.

Seminole State also articulates college credit for students who have industry-recognized certifications in designated areas that are related to programs of study offered by the College. These agreements are consistent with the Florida statewide Gold Standard Articulation Agreements for industry certifications.

Florida's State University System (SUS)

Associate in Arts (A.A.): Florida Statute 1007.23 and State Board of Education Rule 6A-10.024 assure certain rights to A.A. graduates. An A.A. degree from any institution in the Florida College System, including Seminole State, guarantees admission to an institution in Florida's State University System (SUS). However, it does not guarantee acceptance to a particular university or a selected, special or limited-access program. A.A. degree recipients compete for admission into these programs.

Associate in Science (A.S.): A statewide agreement allows transfer into an SUS institution for specified A.S. graduates. In addition, A.S. degree programs articulate into the University of Central Florida's Bachelor of Applied Science Program, which is offered at UCF's regional campus on the Seminole State Sanford/Lake Mary Campus. Designated A.S. programs also articulate into specific B.S. programs offered by Seminole State.

DirectConnect to UCF

DirectConnect to UCF, which was introduced in 2006, is a guaranteed way to gain admission to the University of Central Florida for students who complete an A.A. or A.S. degree at Seminole State. This is consistent with Seminole State and UCF policy. Limited- and restricted-access programs may require an additional admission process. Contact UCF for additional information on DirectConnect.

Independent Colleges and Universities

Articulation agreements between the Florida Board of Education and the Independent Colleges and Universities of Florida (ICUF) also benefit A.A. graduates. For more information on ICUF schools

visit the ICUF website. Seminole State also has articulation agreements with private institutions that are not members of ICUF.

Other Agreements

Statewide articulation agreements also exist to award credit for completion of specified career certificate programs as well as for specified industry certifications. Seminole State has articulation agreements with individual institutions located in Florida and other states. Agreements are also in place with technical centers in the Central Florida region. For more information, visit the Seminole State College articulation website.

Excess Hours Advisory Statement

An excess hour surcharge is effective for students who enter Seminole State or any Florida College System institution or state university for the first time as follows:

- For the 2012–13 academic year and thereafter, an excess hour surcharge equal to 100 percent of the tuition rate for each credit hour in excess of 110 percent. Effective Summer 2019, an excess hour surcharge equal to 100 percent of the tuition rate for each credit hour in excess of 120 percent.

Students whose educational plan may include earning a bachelor's degree should make every effort to enroll in and successfully complete those courses that are required for their intended major on their first attempt. Students intending to transfer to a state university should identify a major or "transfer program" early and identify admission requirements for that program, including the approved common prerequisites. Course withdrawals and/or repeats, as well as enrollment in courses not essential to the intended major, may contribute to a potential excess hour surcharge.

Admissions

Admissions Information

Seminole State College maintains an open-door policy that guarantees admission for high school graduates with standard diplomas, GED® graduates and graduates from approved home school educational programs, pursuant to Florida Statutes.

All correspondence concerning admission should be sent to:

> **Seminole State College of Florida**
> **Admissions Office**
> **100 Weldon Blvd.**
> **Sanford, FL 32773**

For more information, students may call the Admissions Office at 407.708.2050.

Students are admitted to the College before the Fall, Spring and Summer Terms. Prior to registering for classes, a student should have on file with the College:

1. A completed admissions application;
2. An affidavit of Florida residency;
3. A copy of placement test results, if required;
4. Official final transcripts of all previous colleges attended;
5. Official, final high school transcripts (first-time-in-college students must submit prior to scheduling New Student Orientation and Registration and any student receiving financial aid).

Student Success Specialists

A Student Success Specialist is the first point of contact to assist and guide students at Seminole State. Specialists are available on all four campuses to help students from when they first inquire about the College through graduation. They are cross-trained to handle the majority of transactions including admissions, financial aid, registration and records and basic advising services. Specialists develop positive partnerships with students to foster their academic progress and to help them have a successful college experience.

Campus	Locations
Altamonte Springs	ALT - 101A
Heathrow	HEA - A113
Oviedo	OVI - F100
Sanford/Lake Mary	SLM - SC101

eServices

To meet the needs of our eLearning community, Seminole State's team of online Student Success Specialists provide advising services to help you plan, begin and successfully complete your educational goals. They are cross-trained to provide online student support from inquiry through graduation. These specialists offer student support via email, phone, skype and text. Please visit the eServices website for more details.

Student Welcome

Seminole State's Student Welcome is designed to introduce new students to the College's programs and procedures. It also provides useful information about campus rules and regulations. All college credit students must complete the Student Welcome prior to attending an advising appointment or New Student Orientation and Registration.

You must first be matriculated into the College in order to complete the Student Welcome. Matriculation occurs once you have submitted all of your paperwork. Please contact the admissions department for more information.

General Admissions Procedures

General Admissions

The procedure for freshmen or transfer students seeking admission to Seminole State is as follows:

1. Complete an online application and pay the application fee. The applicant will be notified of the status of his/her application by mail.
2. First-time-in-college (FTIC) students may be required* to have current (less than two years old) ACT, Postsecondary Education Readiness

Test (PERT) or SAT scores to register for college credit courses.

*Exempt students are those who entered ninth grade in a Florida public school in Fall 2003 or later and earned a standard high school diploma or are active duty members of any branch of the U.S. Armed Services. You are exempt from the requirements of common placement testing and are provided options including developmental education strategies and/or enrollment directly into ENC 1101, MAT 1033 and MAT 1100.

3. Consult the College Academic Calendar in this catalog for important admission and registration dates.

4. The Admissions Office will notify students of important steps via the email address, phone and text numbers they provided on their application. Once they register for their first class, only their college email will be used.

5. International students must contact the International Student Office on the Sanford/ Lake Mary Campus (Student Services Building, room SC-201, or call 407.708.2936).

6. Second language English speakers, whose PERT scores and/or timed writing samples reflect a need for college preparatory English may be required to take specifically designed English for Academic Purposes (EAP) courses, Adult Education ESOL courses or intensive English Language Institute courses.

7. Applicants with a disability who require information about the admissions process, an application for admission or any other information in an alternative format should contact the Disability Support Services Office at 407.708.2109 or TDD/ITTY 407.708.2110.

8. Students are responsible for understanding the requirements for the degree, diploma or certificate that they seek and for the admissions policies and procedures published in the Seminole State Catalog.

9. Furnishing false or fraudulent statements in connection with an application for admission or residency affidavit may result in disciplinary action, denial of admission, loss of financial aid and invalidation of credits or degrees earned.

10. The College reserves the right to deny or rescind admission to any student whose record of behavior indicates that he or she would disrupt the orderly processes of the College's programs or would interfere with the rights and privileges of other students.

11. Seminole State does not discriminate on the basis of race, color, religion, pregnancy, national origin, ethnicity, age, sex, gender, veterans or military status, disability, sexual orientation, genetic information, marital status, or any other factor protected under applicable federal, state, and local laws, and regulations in any of its educational programs or other programs and practices.

12. Applicants who are suspended from another institution for disciplinary reasons will not be admitted until they are eligible for re-admission to the suspending institution. In accordance with Florida statutes, any student who has previously been expelled from a Florida state college or university for unlawful possession, sale or use of narcotic drugs will not be admitted to Seminole State for a period of one year from the date of expulsion. Any student who has been found guilty of campus disruption will not be admitted to Seminole State for a period of two years from the date of such finding.

13. Students on academic suspension at another institution may not attend Seminole State for one semester. After the one-semester suspension, students may enter without petitioning.

14. Students who have not been in attendance at Seminole State for three consecutive semesters or more must complete a new admission application to ensure the College has accurate directory, degree and residency documentation. Any additional information that may be required to complete the student's current degree and major will be identified.

15. Seminole State may deny credit earned by students if it is determined that they have made false, incomplete or fraudulent statements in connection with their application for admission. In determining Florida residency for tuition purposes, the burden of proof rests with the applicant.

Admissions Requirements for First-

Time-in-College Degree-Seeking Students

1. **Standard High School Diploma:** Florida high school graduates must have earned a standard high school diploma. Non-Florida high school graduates must meet requirements specified in Florida statutes. An official high school transcript (in a sealed envelope) or sent electronically from the high school with the high school graduation date and withdrawal code is required for admission prior to scheduling New Student Orientation and enrolling in classes.

2. **General Educational Diploma (GED®):** Students who have a GED® are eligible for admission. An official transcript (in a sealed envelope or sent electronically) noting the GED® results is required for admission prior to scheduling New Student Orientation and enrolling in classes.

3. **Florida Certificate of Completion (W8A):**
   A. Students who have met the 2.0 GPA and all course requirements for a standard high school diploma, but did not pass the FCAT will be issued the W8A Certificate of Completion. These students must sit for a placement test in order to be placed into college credit or remedial courses as appropriate. These students may or may not be eligible for all scholarships or financial aid programs. All school districts must identify students who have met requirements for the W8A Certificate of Completion on the official transcript.
   B. To identify this credential (certificate), the Withdrawal Reason "W8A" will appear on the high school transcript. In addition, the certificate will bear the designation "Computerized Placement Test Eligible." This designation will differentiate between the old Certificate of Completion and the W8A Certificate of Completion.
   C. Students with the W8A Certificate of Completion who need remediation should be classified as degree-seeking students. These students must meet the college preparatory requirements outlined in section 1008.30(4)(a), Florida Statutes (the same requirements apply to students with a standard high school diploma).
   D. Students with a Certificate of Completion are not eligible to receive federal aid unless they earn a GED®. Students will not be admitted to limited-access programs, programs requiring a high school diploma, or programs that may include licensure requirements that include a high school diploma. Students should not be admitted to those programs until they have earned the standard high school diploma or its equivalent.

4. **Other Certificate of Completion:** Students who have earned a Certificate of Completion are not eligible for admission into a college credit, technical or non-approved vocational program. They may be admitted into programs that do not require a high school diploma.

5. **Special Diploma:** Students who have earned a Special Diploma are not eligible for admission into a college credit, technical or non-approved vocational program. They may be admitted into programs that do not require a high school diploma.

6. **Home Education Graduate:** Students who have graduated from a home education program are eligible for admission as high school graduates. Students must have notarized affidavits signed by a parent or legal guardian attesting that they have completed a home education program pursuant to the requirements in F.S. 232.0201 and provide their official high school transcripts.

Official High School Transcripts

All official high school transcripts should be forwarded to the Office of Enrollment Services. The official high school transcript will be assessed to determine if the school qualifies for confirmation of the ability to award diplomas.

Seminole State College adheres to federal and state policies/directives regarding validation of high school diplomas. The following criteria are examined to determine school validity:

- Is the high school recognized by an established accrediting body (this is not the only determinant factor);
- Are the students only required to take a test or

pay fees for the issuance of a diploma (this may not be an acceptable practice for high school validity);

- Are teachers certified and/or have appropriate academic background/credentials;
- Does the high school deliver instruction, either online or in person;
- Is the high school able to provide a list of courses and a description of such courses, grading scale, master schedule and academic calendar year? Are they able to describe, communicate and provide validation of the educational product?

To be eligible to receive Title IV, Higher Education Act aid current § 668.32(e) (student eligibility) a student must have a high school diploma or its recognized equivalent, have completed secondary school in a home school setting or pass an

independently administered examination approved by the Secretary of the U.S. Department of Education.

Under proposed § 668.16(p), an institution would be required to develop and follow procedures to evaluate the validity of a student's high school completion if there is reason to believe that the high school diploma is not valid or was not obtained from an entity that provides secondary school education.

Note: A student or institution may appeal this decision through the Office of Enrollment Services. However, should the quality of the educational program of the institution attended not meet requirements, the College reserves the right to not accept the high school's diploma.

Admissions Requirements for Baccalaureate Students

Admissions requirements for Seminole State's baccalaureate degree programs are listed in the baccalaureate section of the College Catalog.

Admissions Requirements for Transfer Students

1. Students shall be admitted as transfer students if they have previously attended a college or university.
2. Students who have earned fewer than six semester hours of transferable college credit must also submit an official high school transcript.
3. Students who have earned six or more transferrable credit hours from a regionally accredited institution prior to July 1, 2012 are not required to submit a high school transcript for admission, however, High School transcripts are required for financial aid.
4. Transfer students must request official transcripts (in a sealed envelope) or electronically from all previous colleges and universities that are regionally accredited and send them to the Enrollment Services/Registrar's Office. Official transcripts are to have been generated within the past one year. Transferable credit from non-regionally accredited institutions are evaluated on a case-by-case basis (See College Procedure 3.0210) . All credits attempted and earned at the baccalaureate level from regionally accredited colleges and universities are accepted to fulfill Seminole State degree requirements. Accepted transfer courses from regionally accredited colleges and universities will satisfy general education requirements for the associate degree only if the courses are essentially the same as a corresponding Seminole State course (see College Procedure 3.0200).
5. All official transcripts should be submitted via hard copy (in a sealed envelope) or electronically, prior to beginning classes.
6. Credits earned at institutions accredited by one of the six regionally-accredited associations will be accepted to fulfill Seminole State degree requirements provided a grade of "D" or higher was earned (College Procedure 3.0200). However, Gordon Rule courses must be completed with a grade of "C" or higher. Grades of "I" (incomplete) are transferred into Seminole State as a grade of "F." Credits from non-regionally accredited institutions will be evaluated on an individual basis at the request of the student per College Procedure 3.0210. Students may be required to provide additional documentation that will assist in this process.

   Note: **Accredited Institutions**
   For the purposes of this College Catalog, "accredited institutions" are those colleges and universities accredited by any of the following six regional associations:
   - New England Association of Schools and Colleges, Commission on Institutions of Higher Education;
   - Middle States Commission on Higher Education;
   - North Central Association of Colleges and Schools, The Higher Learning Commission;
   - Northwest Commission on Colleges and Universities;
   - Southern Association of Colleges and Schools, Commission on Colleges;
   - Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities and Accrediting Commission for Junior Colleges.
7. Transfer students are exempt from PERT testing for placement purposes if they transfer in successfully completed college prep courses in reading, writing and math or college-level courses in English and math. Students are exempt from entry testing when their official transcript(s) arrive and are entered into the Seminole State College student database.
8. Transfer students on academic probation, suspension or dismissal from another college should note the following requirements:
   - Students are allowed to apply for admission to the College. Once their transcript is received and evaluated, their academic status can change. After transcripts are evaluated, students are

alerted to their Standards of Academic Progress as indicated on their Seminole State transcript.

- The Office of Enrollment Services will notify students with regard to their transcript evaluation during their first semester of enrollment. Students may appeal the evaluation prior to the end of their second semester of attendance at the College.

9. Seminole State does not award college credit based upon experiential learning.
10. The final determination for transfer of credit equivalency decisions rests with the Vice President, Academic Affairs.

Admissions Requirements for Non-High School Graduates

Students who are not high school graduates but have successfully completed a minimum of 12 semester credits of college-level courses at another institution and have passed an acceptable placement test indicating college readiness (e.g., ACT, SAT or PERT) are eligible for admission to an associate degree program. Students must provide official transcripts from a previous college or university to determine transferability. However, students without a standard high school diploma or equivalent (GED®) are not eligible for financial aid.

Admissions Requirements for International Students

International students seeking college credit admission on the F-1 visa or seeking career certificate program admission on the M-1 visa must meet the following requirements:

1. Completion of the Application for Admission and International Student form.
2. Final placement into English classes is based on Postsecondary Education Readiness Test (PERT) scores for language and reading skills or a combination of PERT, Level of English Proficiency (LOEP), and writing sample scores for possible placement into English for Academic Purposes (EAP) courses. These assessments are made after the student arrives at Seminole State. International students who

are not applying for college or whose scores are not appropriate for college may consider non-credit intensive English courses (see English Language Institute section of the College Catalog).
3. Admissions materials must be sent to the Seminole State International Student Office three months prior to the term or session for which the applicant seeks admission.
4. Pay a $50 non-refundable processing fee.
5. Evaluation of Foreign Education Transcript:
   a. If the student attended only high school, transcripts must be officially translated to English and then evaluated by a member of the National Association of Credential Evaluation Services (NACES). The NACES members most commonly used by Seminole State students are World Education Services, SpanTran or Josef Silny and Associates.
   b. All foreign education evaluations must be presented to the International Student Office. Only official documents will be accepted. Facsimiles and photocopies will not be accepted.

6. Demonstration of financial support (required documents include the following):
   a. A signed, original bank letter on letterhead from student or sponsor account, as applicable, stating when the account was opened, type of account and current balance.
   b. A signed and notarized Affidavit of Financial/Educational Support must state relationship to and responsibility to pay all educational and personal expenses of the student.
   c. An Affidavit of Living Expenses should be completed if the student will live with the sponsor.
      Note: It is possible to have more than one sponsor. The sponsor(s) does not need to reside in the United States, nor be a relative of the applicant.
   d. Only documents in English will be accepted. Translations must be completed by an official body (notary public does not automatically qualify as a translator). Only original documents will be accepted.

Facsimiles and photocopies will not be accepted.

7. As part of the admissions process, students on an F-1 or M-1 visa must purchase and provide proof of health insurance from the college's provider prior to enrolling in classes. They must maintain this coverage during their entire period of study. Insurance must be purchased for each academic year.

8. For transfer students only, the following documents are needed in addition to the previous requirements: completed International Student Transfer Form, all previous I-20, I-94 documents, passport and F-1 Visa and official transcripts from previous colleges.

9. According to USCIS, an international student must study full-time. Full-time, college credit studies at Seminole State is a minimum of 12 credits each for the fall and spring semesters; nine of these credits must be face-to-face in a classroom. Students who choose to begin during the summer semester must also study full time.

Send all forms and documents in English to:

> Seminole State College of Florida
> Attn: International Student Office
> 100 Weldon Boulevard
> Sanford, Florida 32773-6199
> USA

For more information, visit Seminole State's International Student Office or email international@seminolestate.edu .

Guidelines for Level of English Proficiency, Writing and Reading Assessment

1. For placement purposes only, all Seminole State students must meet State of Florida test score requirements (PERT, ACT, SAT) prior to enrollment in courses that require English and reading proficiency. Students who do not meet state minimum requirements will need to complete additional English and/or reading coursework prior to entry into those college-level courses.

2. Students who attended high school in English in the United States for at least four years without enrollment in ESOL classes must take preparatory coursework to meet the state requirements.

3. Students who have not attended high school in English in the United States for at least four years without enrollment in ESOL classes must take English for Academic Purposes (EAP) courses to meet state requirements. Some take non-credit courses prior to EAP. Placement into EAP may require students to take the Level of English Proficiency (LOEP) test and complete a writing sample to ensure the most appropriate placement.

4. Students who have attended high school in English in countries outside the United States where English is the official language may be placed into college-level English courses based on PERT scores or preparatory EAP courses based on PERT scores, LOEP scores and a writing sample. If language interference problems are assessed in writing samples completed by students from countries where English is the official language, students are placed into preparatory EAP courses.

General Admissions Requirements for Career and Technical Education Programs

Career and Technical Education Programs provide integrated pathways to high-skill/high-wage earning careers that are family sustainable and strengthen the area's economic health. The region's major employers are actively vested and engaged with our faculty and programs and Seminole State graduates reflect their expertise and commitment.

Seminole State's vision is to be the region's most influential educational institution for career and professional studies education, with employees seeking our graduates before all others.

Limited-Access Programs Placement Eligibility

All candidates for admission to the College are accepted for enrollment as announced in this procedure. However, some programs are regularly

identified by Seminole State as limited-access programs.

1. Limited-access programs have specific enrollment eligibility limitation requirements that are imposed because of:
   A. Physical facility limitations;
   B. Faculty and clinical or internship resources;
   C. State licensure rules and regulations established and implemented by outside agencies, boards and entities; or
   D. Related criteria established and implemented pursuant to laws, rules and regulations over which the College has no discretionary authority.

2. Limited-access program students shall be selected for admission to these programs based on:
   A. Equal Access/Equal Opportunity standards;
   B. Past student performance;
   C. Academic performance and continuing academic potential.

3. Students seeking placement in such programs receive specific eligibility requirements for admission from the department. The final selection decision for placement in each limited-access program is determined by a department committee. The department provides notification of placement to each limited-access program candidate.

4. Admission decisions related to limited-access programs cannot be appealed except for specific cause.

5. Students who are not selected for admission to a specific limited-access program are encouraged to continue their studies in other programs and courses at the College. Advising services are provided by career program advisors who work with students in each program area. These career program advisors can assist unsuccessful candidates with strengthening their application and/or the selection of alternative educational programs and courses. All students who apply to limited-access programs should contact the appropriate career program advisor early for guidance.

Please Note: Seminole State College does not require health immunizations for admission to Healthcare Programs. However, Healthcare Program students will be required to obtain immunizations prior to participating in clinical experiences and maintain specific immunizations during the specific program. Please contact the department for more information.

Apprenticeship Programs

Florida Automatic Sprinkler Training (FAST) program

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Be at least 18 years of age;
3. Be physically capable of performing the work of the respective trade;
4. Be able to read and write English;
5. Be employed by a sponsoring company;
6. Schedule an appointment with respective Apprenticeship Coordinator to enroll in program.

Automotive Programs

Associate in Applied Science (A.A.S.) Automotive Engineering Technology (Ford, GM, General Domestic and Imports)

Candidates must:

1. Apply and be accepted to Seminole State College;
2. If non-exempt, complete the Post-secondary Education Readiness Test (PERT);
3. Provide an official transcript(s) (in a sealed envelope) indicating the successful completion of high school or GED®;
4. Possess a valid Florida driver's license and provide a 36-month driving record history;
5. Return completed and signed Automotive Program Application form;
6. Schedule an interview with the career program advisor or the program manager;
7. Be able to lift and carry at least 50 pounds.

Automotive Fundamentals Program (Career Certificate)

Candidates must:

1. Apply and be accepted to Seminole State College;
2. If non-exempt, Section 1004.91, Florida Statutes (F.S.), Career-Preparatory Instruction and State Board of Education Rule 6A-10.040 Florida Administrative Code (F.A.C.)requires students who enroll in a career certificate or applied technology diploma program offered for career credit of 450 clock hours or more to complete an entry-level examination within the first six weeks after admission into the program
   - The purpose of assessment is to determine whether the student has the basic skills necessary to be successful in the chosen CTE program. Assessment instruments meeting this requirement are annually adopted in Rule 6A-10.040, F.A.C. and include:
     - Any common placement test where a minimum score has been achieved pursuant to Rule 6A-10.0315, F.A.C.;
     - Comprehensive Adult Student Assessment System (CASAS), GOALS 900 Series
     - Tests of Adult Basic Education (TABE) 11&12; and
     - 2014 GED$^®$ Tests: Reasoning through Language Arts and Mathematics Reasoning where a minimum score (145), as required in Rule 6A-.6.0201, F.A.C., has been achieved, on each test.
     - **Exceptions and Exemptions from the Basic Skills Examination**
       - Adult students with disabilities may be exempted from meeting the basic skills level required to earn a Career Certificate of Completion and be reported as a completer.
       - Students who are exempt from basic skills exit requirements include those who:
         1. Possess a college degree at the associate in applied science (AAS) level or higher;
         2. Demonstrate readiness for public postsecondary education pursuant to s. 1008.30, F.S. and applicable rules adopted by the State Board of Education. A student who entered 9th grade in a Florida public school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma or a student who is serving as an active duty member of any branch of the United States Armed Services shall not be required to take the common placement test and shall not be required to enroll in developmental education instruction in a Florida College System institution. However, a student who is not required to take the common placement test and is not required to enroll in developmental education under this paragraph may opt to be assessed and to enroll in developmental education instruction, and the college shall provide such assessment and instruction upon the student's request.
         3. Pass a state or national industry certification or licensure examination that is identified in State Board of Education rules and aligned to the CTE program in which the student is enrolled; or
         4. Is enrolled in an apprenticeship program that is registered with FDOE in accordance with Chapter 446.
   - If a student has met or exceeded standard scores in one area of one test, another test may be used to meet the additional skill area requirements. It is acceptable to combine test scores from more than one test.
   - A student who was previously tested

and referred to developmental education at a Florida College System (FCS) institution college may be reported as meeting basic skills requirements once they successfully complete the required developmental education and will not need to be retested.

■ A student who has taken the 2014 GED® and attained the minimum achievement scores on both the Reasoning through Language Arts (RLA) and Mathematic Reasoning, does not need to be tested. A student who takes the 2014 GED® and does not attain the minimum score on the initial test, but then subsequently attains the minimum score on each test after admission into the CTE program, may be counted as a full completer from the program once the student successfully demonstrates mastery of program content as determined locally. Earning the achievement scores on both the 2014 GED® RLA and Mathematical Reasoning subtests must occur before or within the reporting year that the student completes the CTE program. All requirements for full program completion would need to be earned by the end of the reporting year for the year in which there was enrollment. Once a reporting year has closed, there is no longer an opportunity to update records and indicate the student was a full program completer. School districts and FCS institutions may still update local system records, it just would not be transmitted to the state and the student would not be included in Perkins calculations as a full program completer.

■ If a student successfully completes his or her coursework, does not meet the basic skills requirements for completion from the program utilizing an approved assessment instrument, takes and passes a related licensure exam identified by the Florida Department of Education (FDOE), Division of Career and Adult Education (DCAE), and posted on the website at http://fldoe.org/core/fileparse.php/5652/urlt/2019-20-basicskills.rtf, the student shall be counted as a completer and does not have to be retested on one of the basic skills examinations. This provision includes career dual enrollment students.

3. Be able to lift and carry at least 50 pounds.

Healthcare Programs
Associate in Science (A.S.) Degree in Nursing (RN)

Candidates must:

1. Apply and be accepted to Seminole State College;
2. If non-exempt, complete the Postsecondary Education Readiness Test (PERT) or SAT;
3. Visit the Nursing Website for program details;
4. Submit the following documentation:
   ◦ Nursing Application: This form must be submitted and is valid for the current admission class. Students who are not admitted must submit a new Nursing Application for the next admission class. The Nursing Application is part of the application packet and is located on the Nursing Website.
   ◦ Test of Essential Academic Skills (TEAS) grade report. See the Nursing Website for required scores.
   ◦ A GPA of 2.5 or higher on a 4.0 scale for general education and support courses is required. See the Nursing Website for a list of prerequisites.
   ◦ Transcripts from other colleges must be submitted to the College Records Office. If there are more applicants meeting the criteria than available seats, the Seminole State Nursing Admissions Committee will use a selection process. More information about the selection process is available on the Nursing Website.

5. Be aware of physical limitations. Bedside

nursing can be physically demanding. Student nurses provide care that includes activities such as turning, lifting and transferring patients. Hospital protocol requires all healthcare workers to be physically stable in order to provide care. Hospitals have the ability to deny the use of their facilities to students when the safety of care provided to patients could be compromised. Any student absent due to medical reasons must have a medical release prior to returning to a clinical experience.

6. Complete and pass a mandatory background check prior to starting classes. More information regarding this process is available online at: Healthcare Background Check.
   For students with a positive background:
   ◦ We use community healthcare facilities to meet the clinical component of each nursing course. We have an agreement with those clinical partners that indicates that the applicants must be free of offenses that could potentially disqualify them from working in a healthcare environment.
   ◦ The clinical facilities require any student with a positive background (arrested in Florida or any other state) to be cleared by the hospitals. The process to be cleared by the hospital is a long process and needs to be initiated prior to submitting a nursing application. The approval for clinical attendance at the different facilities is at the discretion of the clinical agencies.
   ◦ Students must contact the Nursing Department, via email at nursingclearance@seminolestate.edu to initiate the background clearance process. Once the hospitals have approved the clearance, the student will receive a signed clinical clearance form. This signed Clinical Clearance Form must be submitted with the application packet.
   ◦ Applications submitted by students without a completed and signed pre-cleared background check form attached will not be processed. Information regarding this procedure can be found online at https://www.seminolestate.edu/nursing/deadlines.

Nursing-Concurrent A.S.-B.S.N. Option with the University of Central Florida

This program is a partnership between Seminole State College and the University of Central Florida. It integrates concurrent enrollment in associate and baccalaureate nursing programs simultaneously.

Candidates must:
1. Be admitted into Seminole State College's Generic Associate Degree in Nursing Program;
2. Be admitted to UCF and the UCF Nursing Concurrent Program;
3. Meet all Seminole State and UCF Nursing prerequisites;
4. Possess a minimum overall GPA as stated on the Seminole State Nursing Website.
5. Complete and pass a mandatory background check prior to starting classes. More information regarding this process is available online at https://www.seminolestate.edu/healthcare/background-check.
   For students with a positive background:
   ◦ We use community healthcare facilities to meet the clinical component of each nursing course. We have an agreement with those clinical partners that indicates that the applicants must be free of offenses that could potentially disqualify them from working in a healthcare environment.
   ◦ The clinical facilities require any student with a positive background (arrested in Florida or any other state) to be cleared by the hospitals. The process to be cleared by the hospital is a long process and needs to be initiated prior to submitting a nursing application. The approval for clinical attendance at the different facilities is at the discretion of the clinical agencies.
   ◦ Students must contact the Nursing Department, via email at nursingclearance@seminolestate.edu to initiate the background clearance process. Once the hospitals have approved the clearance, the student will receive a signed clinical clearance form. This signed Clinical Clearance Form must be submitted with the application packet.
   ◦ Applications submitted by students

without a completed and signed pre-cleared background check form attached will not be processed. Information regarding this procedure can be found online at https://www.seminolestate.edu/nursing/deadlines.

If there are more applicants meeting the criteria than available seats, the Seminole State Nursing Admissions Committee will use a selection process. More information about the selection process is available on the Nursing Website.

Nursing, RN-to-BSN

Students may begin the RN-to-BSN program three times each year in August (Term I), in January (Term II), or in May (Term III). Interested persons must first be admitted to Seminole State before registering for RN-to-BSN coursework. The dates for application may vary.

The nursing program has specific requirements for admission. Candidates must:

- Graduate from a regionally-accredited Associate in Science Degree Nursing or Diploma in Nursing program and be eligible to sit for the National Council Licensing Exam (NCLEXRN) or hold an active RN license;
- Apply and be accepted to Seminole State College;
- Have a GPA of 2.5 or higher;
- Attain a grade of "C" or higher in all General Education course requirements;

All nursing courses are taught in a distance format and there is an experiential learning component. Students must have access to a computer with internet capabilities while enrolled in the program. An active unencumbered RN license is required prior to the Capstone course at the end of the program.

Associate in Science (A.S.) Physical Therapist Assistant

Candidates must:

1. Apply and be accepted to Seminole State College;
2. If non-exempt, complete the Postsecondary Education Readiness Test (PERT);

3. Complete a minimum of 20 hours of observation, volunteer service or work experience in two or more Physical Therapy Departments (observation hours in excess of 100 hours will not be considered);
4. Meet with assigned advisor to discuss General Education courses required for the PTA program. General education courses taken at an accredited college or university may be applied to your Seminole State transcript. The Registrar's Office evaluates coursework to determine the transferability and equivalency of the coursework students previously completed. The Registrar's Office will apply the equivalency of the course at Seminole State College to the student's academic record. The use of the course to meet a degree's requirements is determined by the program's curriculum. It is the student's responsibility to request the submission of official transcripts to Seminole State as soon as possible from other colleges and universities.
5. Submit the completed PTA application packet available on the PTA Website.

Dates for the information sessions are available on the PTA website or by calling 407.404.6196.

All students enrolled in a Healthcare Professional program with a clinical or practicum component will be required to complete a full background check with drug/alcohol screening. Students are encouraged to review the https://www.seminolestate.edu/healthcare/background-check prior to beginning their course work.

Associate in Science (A.S.) Respiratory Care

Candidates must:

1. Apply and be accepted to Seminole State College;
2. If non-exempt, complete the Postsecondary Education Readiness Test (PERT);
3. Meet with assigned advisor to discuss General Education courses required for the Respiratory program. General education courses taken at an accredited college or university may be applied to your Seminole State transcript. The Registrar's Office evaluates coursework to determine the transferability and equivalency

of the coursework students previously completed. The Registrar's Office will apply the equivalency of the course at Seminole State College to the student's academic record. The use of the course to meet a degree's requirements is determined by the program's curriculum. It is the student's responsibility to request the submission of official transcripts to Seminole State as soon as possible from other colleges and universities.

4. Submit completed Respiratory Care Application available on the Respiratory Care Website.

   Dates for information sessions are available on the Respiratory Care Website or by calling 407.404.6196.

   All students enrolled in a Healthcare Professional program with a clinical or practicum component will be required to complete a full background check with drug/alcohol screening. Students are encouraged to review the https://www.seminolestate.edu/healthcare/background-check prior to beginning their course work.

Public Safety Programs

Correctional Officer: Criminal Justice Academy

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Be at least 19 years of age;
3. Be a U.S. citizen;
4. Provide an official transcript(s) indicating successful completion of high school or GED®;
5. Possess a valid Florida driver's license;
6. Have no felony convictions or misdemeanor convictions involving perjury, false statements or moral turpitude;
7. Make an appointment with Testing and Assessment, pay fee and complete the CJBAT battery;
8. Complete the Corrections application process and physical fitness assessment.
9. Attend the mandatory information session to receive an academy application.

Law Enforcement: Basic Recruit Criminal Justice Academy

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Provide an official transcript(s) indicating successful completion of high school or GED®;
3. Be at least 19 years of age;
4. Be a U.S. citizen;
5. Possess a valid Florida driver's license;
6. Have no felony convictions or misdemeanor convictions involving perjury, false statements or moral turpitude;
7. Make an appointment with Testing and Assessment, pay fee and complete the CJBAT battery;
8. Attend the mandatory information session to receive an academy application.
9. Complete the Law Enforcement application process and physical fitness assessment.

Crossover Corrections to Law Enforcement: Criminal Justice Academy

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Provide an official transcript(s) indicating successful completion of high school or GED®;
3. Provide a copy of FDLE Corrections Certificate or transcript indicating completion of Corrections Academy;
4. Be at least 19 years of age;
5. Be a U.S. citizen;
6. Possess a valid Florida driver's license;
7. Have no felony convictions or misdemeanor convictions involving perjury, false statements or moral turpitude;
8. Make an appointment with Testing and Assessment, pay fee and complete the CJBAT battery;
9. Attend the mandatory information session to receive an academy application;
10. Provide a copy of FDLE Corrections Certificate or transcript indicating completion of Corrections Academy.

Crossover Law Enforcement to Corrections: Criminal Justice Academy

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Attend the mandatory information session to receive an academy application;
3. Provide an official transcript(s) indicating successful completion of high school or GED®;
4. Provide a copy of FDLE Law Enforcement Certificate or transcript indicating completion of Law Enforcement Academy;
5. Be at least 19 years of age;
6. Be a U.S. citizen;
7. Possess a valid Florida driver's license;
8. Have no felony convictions or misdemeanor convictions involving perjury, false statements or moral turpitude;
9. Make an appointment with Testing and Assessment, pay fee and complete the CJBAT battery;
10. Complete the Crossover application process and physical fitness assessment.

Emergency Medical Technician - Basic (EMT-B) Certificate Program

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Attend mandatory information session to receive EMT Program application.
3. Submit EMS application (include transcripts indicating successful completion of high school diploma or GED®) to the Fire Science/EMS Department;
4. Submit proof of age (at least 18 years of age);
5. Submit for and successfully pass an FDLE/FBI criminal background check as identified by the State of Florida Department of Health. We use community healthcare facilities to meet the clinical component of each course. Agreements with those clinical partners indicates applicants must be free of offenses that could potentially disqualify them from working in the public safety environment. The clinical facilities require any student with a positive background (arrested in Florida or any other state) to be cleared by the hospitals. The

process to be cleared by the hospital is a long process. Once the program receives the background and the student is identified as needing to complete the additional requirements, the student will be contacted. **The approval for clinical attendance at the different facilities is at the discretion of the clinical agencies. If not approved, the student will not be able to register for any course.** If contacted, the student will need to submit a completed and signed Clinical Clearance Form along with submitting additional documentation as requested;

6. Submit proof of current certifications and CPR at the Health Care Provider or Professional Rescuer Level or equivalent;
7. Attend mandatory program orientation. The EMT orientation date will be provided at the EMT information session.

The Emergency Medical Technician (EMT) Certificate/degree track requires a minimum grade of "C" (80%) to be achieved in all courses to meet program and graduation requirements. If not, the student will need to retake all 3 courses.

Firefighting Career Certificate - Minimum Standards

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Complete EMT-B course;
   - Section 1004.91, Florida Statutes (F.S.), Career-Preparatory Instruction and State Board of Education Rule 6A-10.040 Florida Administrative Code (F.A.C.) requires students who enroll in a career certificate or applied technology diploma program offered for career credit of 450 clock hours or more to complete an entry-level examination within the first six weeks after admission into the program. The purpose of assessment is to determine whether the student has the basic skills necessary to be successful in the chosen CTE program. Assessment instruments meeting this requirement are annually adopted in Rule 6A-10.040, F.A.C. and

include:

- Any common placement test where a minimum score has been achieved pursuant to Rule 6A-10.0315, F.A.C.;
- Comprehensive Adult Student Assessment System (CASAS), GOALS 900 Series
- Tests of Adult Basic Education (TABE) 11&12; and
- 2014 GED® Tests: Reasoning through Language Arts and Mathematics Reasoning where a minimum score (145), as required in Rule 6A-.6.0201, F.A.C., has been achieved, on each test.

- **Exceptions and Exemptions from the Basic Skills Examination**
  - Adult students with disabilities may be exempted from meeting the basic skills level required to earn a Career Certificate of Completion and be reported as a completer.
  - Students who are exempt from basic skills exit requirements include those who:
    1. Possess a college degree at the associate in applied science (AAS) level or higher;
    2. Demonstrate readiness for public postsecondary education pursuant to s. 1008.30, F.S. and applicable rules adopted by the State Board of Education. A student who entered 9th grade in a Florida public school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma or a student who is serving as an active duty member of any branch of the United States Armed Services shall not be required to take the common placement test and shall not be required to enroll in developmental education

instruction in a Florida College System institution. However, a student who is not required to take the common placement test and is not required to enroll in developmental education under this paragraph may opt to be assessed and to enroll in developmental education instruction, and the college shall provide such assessment and instruction upon the student's request.

  3. Pass a state or national industry certification or licensure examination that is identified in State Board of Education rules and aligned to the CTE program in which the student is enrolled; or
  4. Is enrolled in an apprenticeship program that is registered with FDOE in accordance with Chapter 446.

- If a student has met or exceeded standard scores in one area of one test, another test may be used to meet the additional skill area requirements. It is acceptable to combine test scores from more than one test.

- A student who was previously tested and referred to developmental education at a Florida College System (FCS) institution college may be reported as meeting basic skills requirements once they successfully complete the required developmental education and will not need to be retested.

- A student who has taken the 2014 GED® and attained the minimum achievement scores on both the Reasoning through Language Arts (RLA) and Mathematic Reasoning, does not need to be tested. A student who takes the 2014 GED® and does not attain the minimum score on the

initial test, but then subsequently attains the minimum score on each test after admission into the CTE program, may be counted as a full completer from the program once the student successfully demonstrates mastery of program content as determined locally. Earning the achievement scores on both the 2014 GED® RLA and Mathematical Reasoning subtests must occur before or within the reporting year that the student completes the CTE program. All requirements for full program completion would need to be earned by the end of the reporting year for the year in which there was enrollment. Once a reporting year has closed, there is no longer an opportunity to update records and indicate the student was a full program completer. School districts and FCS institutions may still update local system records, it just would not be transmitted to the state and the student would not be included in Perkins calculations as a full program completer.

- If a student successfully completes his or her coursework, does not meet the basic skills requirements for completion from the program utilizing an approved assessment instrument, takes and passes a related licensure exam identified by the Florida Department of Education (FDOE), Division of Career and Adult Education (DCAE), and posted on the website at http://fldoe.org/core/fileparse.php/5652/urlt/2019-20-basicskills.rtf, the student shall be counted as a completer and does not have to be retested on one of the basic skills examinations. This provision includes career dual enrollment students.

3. Attend mandatory Firefighting Information Session held by the Fire Science Department;
4. Submit Firefighting Academy application to the Center for Public Safety;

5. Submit proof of age (at least 18 years of age);
6. Provide an official transcript(s) indicating the successful completion of high school program or GED®;
7. Attend mandatory Firefighting Orientation Session held by Fire Science Department.
8. Meet the Bureau of Fire Standards background, medical, and physical requirements as established by F.A.C.;
9. Complete a non-tobacco use affidavit;
10. *Physical agility exam may be required (Scheduling will be completed during information session).

Please note: Priority is given to applicants who are recommended by a Fire Chief, have completed a Paramedic program and earned an A.S. or A.A. degree or higher.

Paramedic Certificate

Candidates must:

1. Apply and be accepted to Seminole State College;
2. Attend a mandatory information session to receive instructions for Paramedic Program application.
3. Submit a completed EMS Paramedic application (include transcripts indicating successful completion of a high school diploma or GED®);
4. Submit proof of age (at least 18 years of age);
5. If non-exempt, complete the Postsecondary Education Readiness Test (PERT); and achieve the following scores: Reading -106 or higher, Sentence Skills - 103 or higher, Algebra or exemption -114 or higher; or be exempt from common placement testing.
6. Have earned a 2.0 GPA or higher;
7. Submit and successfully pass an FDLE/FBI criminal background check as identified by the State of Florida Department of Health and drug and alcohol test. We use community healthcare facilities to meet the clinical component of each course. Agreements with those clinical partners indicates applicants must be free of offenses that could potentially disqualify them from working in the public safety environment. The clinical facilities require any student with a positive background (arrested in Florida or any other state) to be cleared by

the hospitals. The process to be cleared by the hospital is a long process. Once the program receives the background and the student is identified as needing to complete the additional requirements, the student will be contacted. **The approval for clinical attendance at the different facilities is at the discretion of the clinical agencies. If not approved, the student will not be able to register for any course**. If contacted, the student will need to submit a completed and signed Clinical Clearance Form along with submitting additional documentation as requested;

8. Have successfully completed EMT, take the NREMT exam, and be a state-certified Florida EMT <u>before</u> the end of the first semester of paramedic;

9. Attend mandatory program orientation; date will be provided at the paramedic information session.

Please note: Applicants who are currently employed by a Seminole County fire department will be allowed the first opportunity to enroll in the Paramedic Program. All other applicants will fill the remaining positions in the class based on their application date and college eligibility.

The Seminole State Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (https://www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

The Paramedic Certificate and degree have corequisite requirements. Failure to successfully complete any of the corequisite courses will require the student to re-apply to the program. Upon acceptance and return into the Paramedic Program, the student must retake the course(s) they failed and all of the corresponding corequisite courses. A minimum grade of "C" (80%) must be achieved in all Paramedic courses to meet program and graduation requirements.

General Admissions Requirements for Career Certificates

Section 1004.91, Florida Statutes (F.S.), Career-Preparatory Instruction and State Board of Education Rule 6A-10.040 Florida Administrative Code (F.A.C.) requires students who enroll in a career certificate or applied technology diploma program offered for career credit of 450 clock hours or more to complete an entry-level examination within the first six weeks after admission into the program.

The purpose of assessment is to determine whether or not the student has the basic skills necessary to be successful in the chosen CTE program. Assessment instruments meeting this requirement are annually adopted in Rule 6A-10.040, F.A.C. and include:

- Any common placement test where a minimum score has been achieved pursuant to Rule 6A-10.0315, F.A.C.;
- Comprehensive Adult Student Assessment System (CASAS), GOALS 900 Series
- Tests of Adult Basic Education (TABE) 11&12; and
- 2014 GED® Tests: Reasoning through Language Arts and Mathematics Reasoning where a minimum score (145), as required in Rule 6A-.6.0201, F.A.C., has been achieved, on each test.

Exceptions and Exemptions from the Basic Skills Examination

- Adult students with disabilities may be exempted from meeting the basic skills level required to earn a Career Certificate of Completion and be reported as a completer.
- Students who are exempt from basic skills exit requirements include those who:

  1. Possess a college degree at the associate in applied science (AAS) level or higher;

  2. Demonstrate readiness for public postsecondary education pursuant to s. 1008.30, F.S. and applicable rules adopted by the State Board of Education. A student who entered 9th grade in a Florida public

school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma or a student who is serving as an active duty member of any branch of the United States Armed Services shall not be required to take the common placement test and shall not be required to enroll in developmental education instruction in a Florida College System institution. However, a student who is not required to take the common placement test and is not required to enroll in developmental education under this paragraph may opt to be assessed and to enroll in developmental education instruction, and the college shall provide such assessment and instruction upon the student's request.

3. Pass a state or national industry certification or licensure examination that is identified in State Board of Education rules and aligned to the CTE program in which the student is enrolled; or

4. Is enrolled in an apprenticeship program that is registered with FDOE in accordance with Chapter 446.

If a student has met or exceeded standard scores in one area of one test, another test may be used to meet the additional skill area requirements. It is acceptable to combine test scores from more than one test.

A student who was previously tested and referred to developmental education at a Florida College System (FCS) institution college may be reported as meeting basic skills requirements once they successfully complete the required developmental education and will not need to be retested.

A student who has taken the 2014 GED® and attained the minimum achievement scores on both the Reasoning through Language Arts (RLA) and Mathematic Reasoning, does not need to be tested. A student who takes the 2014 GED® and does not attain the minimum score on the initial test, but then subsequently attains the minimum score on

each test after admission into the CTE program, may be counted as a full completer from the program once the student successfully demonstrates mastery of program content as determined locally. Earning the achievement scores on both the 2014 GED® RLA and Mathematical Reasoning subtests must occur before or within the reporting year that the student completes the CTE program. All requirements for full program completion would need to be earned by the end of the reporting year for the year in which there was enrollment. Once a reporting year has closed, there is no longer an opportunity to update records and indicate the student was a full program completer. School districts and FCS institutions may still update local system records, it just would not be transmitted to the state and the student would not be included in Perkins calculations as a full program completer.

If a student successfully completes his or her coursework, does not meet the basic skills requirements for completion from the program utilizing an approved assessment instrument, takes and passes a related licensure exam identified by the Florida Department of Education (FDOE), Division of Career and Adult Education (DCAE), and posted on the website at http://fldoe.org/core/fileparse.php/5652/urlt/2019-20-basicskills.rtf, the student shall be counted as a completer and does not have to be retested on one of the basic skills examinations. This provision includes career dual enrollment students.

1. Career Certificate students (previously named PSAV) must follow Seminole State general admission procedures.
   - Career certificate programs include:
     - Automotive Fundamentals
     - Correctional Officer
     - Crossover Criminal Justice Academies
     - Electrician Helper
     - Fire Academy/EMT Combined
     - Firefighting
     - Fire Sprinkler Apprenticeship
     - Heating, Ventilation, Air Conditioning and Refrigeration (HVACR)

- Law Enforcement Officer
- Plumbing
- Welding Technologies

2. All career and technical certificate programs require that students have a high school diploma or GED® with the exception of:
   ◦ Automotive Fundamentals
   ◦ Building Trades Technology
   ◦ Electrician Helper
   ◦ Fire Sprinkler Apprenticeship
   ◦ Heating, Ventilation, Air Conditioning and Refrigeration (HVACR)
   ◦ Plumbing
   ◦ Welding Technologies

3. These programs require the Criminal Justice Basic Abilities Test (CJBAT), not the TABE:
   ◦ Combined Law Enforcement and Corrections
   ◦ Correctional Officer
   ◦ Crossover Criminal Justice Academies
   ◦ Law Enforcement Officer

4. Students are informed of registration procedures by the Admissions Office prior to registration. Students must provide the Admissions Office:
   ◦ A completed Seminole State College application for admission.
   ◦ An official high school transcript(s) (in a sealed envelope) with their date of graduation or an official GED® transcript.
   ◦ Documentation of English proficiency (only for students whose first language is not English).
   ◦ Results of required placement tests.
   ◦ Verification of minimum age requirement of 18 (driver's license or birth certificate).
   ◦ A completed residency statement with all required documentation. Students who are not Florida residents for tuition purposes must pay non-resident tuition fees.

5. All first-time-in-program students who designate themselves as career certificate-seeking in a program of 450 hours or more are required to satisfy the Basic Skills Exit Requirement.
   ◦ The following students are exempt from the Basic Skills Exit Requirement:

- Students who meet the following criteria based on Senate Bill 1720:
  - Entered 9th grade in a Florida public school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma.
  - Serving as an active duty member of any branch of the United States Armed Services.

- Students who have an A.A.S., A.S., A.A., bachelor's, master's or doctorate degree posted on their MySeminoleState transcript from a regionally accredited college/university.
- Students who have ACT, SAT, Accuplacer or PERT scores posted on their transcript, which meet the minimum test scores in all three areas (reading, writing and math), placing them at college level in all three areas (scores may not be mixed; ie: SAT: Verbal and ACT: Math). Acceptable scores are:
  ACT (must have all scores):
  Reading ≥19
  English ≥ 17
  Math ≥ 19

  SAT (must have all scores - prior to March 1, 2016):
  Reading/Verbal ≥ 440
  Math ≥ 440

◦ **Since March 1, 2016:**
  SAT (must have all scores):
  Reading test ≥ 24
  Writing and Language test ≥ 25
  Math test ≥ 24

  Accuplacer Next Generation(must have all scores):

QAS (Math) ≥ 242

Reading ≥ 245

Writing ≥ 245

PERT (must have all scores):
Reading ≥ 106
Writing Skills ≥ 103
Math ≥ 114

- ◦ Students who have passed all parts of the CLAS requirement (posted on their transcript).
- ◦ Students who passed an approved state, national or industry licensure exam (see an advisor for a list of approved licensure exams). Students must provide documentation, such as an official copy of their licensure credentials, official test scores or an official transcript. Apprenticeship students who have earned journeyman status in their area of study may be exempt.

6. Students requesting an exemption from the Basic Skills Exit Requirement based on one of the above conditions must go to the Assessment and Testing Office to complete and submit a exemption request form.

7. Students requesting a Basic Skills Exit Requirement exemption based on Senate Bill 1720 do not need to submit a Waiver Request form, but must have official high school transcripts on file with the Registrar's office to be recognized as an exempt student.

Admissions Requirements for Non-Degree Seeking Students

Dual Enrollment

Students who reside in Seminole County or who are enrolled in a Seminole County Public School or in a non-public school, or home-schooled students from any Florida county that is in compliance with Florida Statute 1002.42(2) and conducts a secondary curriculum pursuant to Florida Statute 1003.43 are eligible for dual enrollment. Students may not

withdraw without high school approval. (For more information please see the Alternative Ways to Earn Credit section).

Transient

Students in good standing at other colleges may be admitted as transient students to take courses for transfer back to their home institutions.

Students must produce a transient form or letter indicating their good standing, specific courses to be taken and the parent institution's willingness to accept the credit earned prior to registration for classes. The form can be completed on the FloridaShines Website and will serve as the application for admission as well as the residency and transient form. If the home institution is not listed on the FloridaShines Website, the student must apply to the College, complete a residency affidavit and obtain a transient form from the home institution.

Post-Baccalaureate Non-Degree Seeking

Students who have earned a bachelor's degree or higher may enroll in lower and upper division college courses. Students admitted in this category must:

- Complete the application process for admission;
- Indicate that a Seminole State degree or certificate is not sought;
- Provide an official transcript from the degree-granting institution prior to enrolling in classes.

Students are responsible for their own advising and determining the transferability of credits earned at Seminole State as a non-degree student toward a degree program at another institution.

Post-Associate Non-Degree Seeking

Students who have earned an associate degree but not a higher-level degree may enroll in lower division college courses. Students who are admitted in this category must:

- Complete the application process for admission;
- Indicate that a Seminole State degree or certificate is not sought;

- Provide an official transcript from the degree-granting institution prior to enrolling in classes.

Students are responsible for their own advising and are required to meet all prerequisites and corequisites for courses they intend to enroll in, including appropriate placement scores when required. Determining the transferability of credit earned at Seminole State as a non-degree student toward a degree program at another institution is the sole responsibility of the student.

Post-High School Non-Degree Seeking

Non-degree seeking students with a high school diploma but no college degree who are non-degree seeking typically take courses for job improvement or personal enrichment. The following requirements apply to non-degree seeking students with a high school diploma but no college degree:

- Must complete the application process for admission;
- Are exempt from College Level Placement Tests;
- May enroll in any college level course except English or mathematics courses and courses with English or mathematics courses as prerequisites or corequisites;
- Meet all prerequisite and corequisite requirements;
- May complete up to 12 hours in non-degree

seeking student status. Once a non-degree seeking student exceeds 12 hours, he/she must be reclassified to degree-seeking status and will be required to meet degree-seeking admission and placement testing requirements.
- Post High School Non Degree Seeking students completing courses for transfer to another institution should determine the transferability of these courses to other institutions prior to enrollment at the College.

Teacher Recertification

Certified K-12 teachers who choose to attend Seminole State to enroll in courses required for recertification must submit their teaching certificate as proof of a bachelor's degree. These students may enroll in lower division college courses and will not be required to satisfy course prerequisites and corequisites. Students admitted in this category must:

- Complete the application process for admission;
- Indicate that a Seminole State degree or certificate is not sought and student will be enrolling to satisfy teacher recertification requirements;
- Submit a copy of their teaching certificate;
- Students are responsible for their own advising.

Records

Types of Records Maintained

Type	Location	Custodian
General Student Records (admission and academic history, transcripts, general correspondence)	Enrollment Services/Registrar's Office Student Center Building (SC-201) Sanford/Lake Mary Campus Phone: 407.708.2028	Director of Enrollment Services/ Registrar
Financial Aid Records	Student Financial Resources Student Center Building Sanford/Lake Mary Campus Phone: 407.708.2044	Director of Student Financial Resources
Financial Records	Finance and Budget Office A-104 Sanford/Lake Mary Campus Phone: 407.708.2138	Associate Vice President, Business Services
Student Assessment Records	Assessment and Testing Office Student Center Building (SC-239) Sanford/Lake Mary Campus Phone: 407.708.2019	Director of Assessment and Testing
Student Disciplinary Records	Office of Student Conduct Student Center Building Sanford/Lake Mary Campus Phone: 407.708.2670	Director of Student Conduct
For additional information about FERPA, please contact the Enrollment Services/Registrar's Office at studentrecords@seminolestate.edu.		

Social Security Number Collection Statement

Seminole State College recognizes that an individual's Social Security number is a unique form of identification that can be utilized to obtain sensitive information. However, Seminole State must collect Social Security numbers under certain circumstances to accurately and efficiently perform its duties and functions as an educational institution.

Social Security numbers are collected only for the following purposes:
- Administration of federally funded financial aid and student services programs
- Background checks
- Billing and payments
- Identification and verification
- Independent contractors
- Payroll administration
- State and federal educational and employment reporting
- Tax reporting
- Vendor applications

This Social Security Number Collection Statement has been prepared by Seminole State College in compliance with Section 119.071(5), Florida Statutes 2007, January 2008, April 2011.

Specialized Honors Programs and Honors Diploma

Specialized Honors Programs:

A. Honors Institute Diploma, Certificate, Honors in the Major and Advanced STEM Certificate

1. **Honors Diploma:** A.A. or A.S. degree-seeking students who have earned at least a C in twenty (20) hours in Honors courses, a 3.2 cumulative GPA, and fulfilled all other program requirements as determined by the Honors Institute will receive the distinction of an Honors Diploma that will be designated on the diploma and official transcript and be recognized at graduation.
2. **Honors Certificate:** A.A. or A.S. degree-seeking students who have earned at least a C in thirteen (13) hours in Honors courses, a 3.2 GPA, and fulfilled all other program requirements as determined by the Honors Institute will receive the distinction of an Honors Certificate that will be designated on the diploma and official transcript.
3. **Honors in the Major:** Baccalaureate degree-seeking students who have completed at least nine (9) hours in Honors courses, a 3.5 cumulative baccalaureate GPA, and completed all other program requirements as determined by the Honors Institute will receive the distinction of Honors in the Major that will be designated on the diploma and official transcript.
4. **Advanced STEM Certificate:** A.A. or A.S. degree-seeking students who complete the eight required science and math courses and the two science seminars with a GPA of 3.2 or higher in those courses will receive the distinction of an Advanced STEM Certificate and be recognized at graduation.

B. Honor Society Transcript Notation

1. Student Recognition of membership in Official College Approved Honor Society(s) shall be posted to the student's transcript at the time of graduation.
2. The chapter advisor to College Recognized Honor Society(s) shall provide a membership list to Enrollment Services at the time of graduation of active students in the chapter.

Notification of Student's Rights under the Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day Seminole State College receives a request for access. Students should submit to the Registrar or a College official a written request that identifies the record(s) they wish to inspect. Seminole State officials will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the official to whom the request was submitted, the official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education record(s) that the student believes are inaccurate or misleading. The student should write the College official responsible for the record, clearly identify the part of the record they want changed and specify why it is inaccurate or misleading. If the College decides not to amend the record as requested by the student, the student will be notified of the decision and advised of his or her right regarding the request for amendment.

3. The right to control access to personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by Seminole State College in an administrative, supervisory, academic, research or support staff position, including law enforcement unit personnel; a person or company with whom Seminole State has contracted, such as an attorney, auditor or collection agent; a person serving on the District Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record to fulfill his/her professional responsibility. Upon request, the College discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Seminole State College to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:
Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue SW
Washington, DC 20202-8520

Directory Information

Seminole State College designates the following items as directory information. The College may disclose any of these items without prior written consent of the student unless the student files a written request to restrict directory information access:

- Student name
- Major field of study
- Participation in officially recognized activities and sports
- Height and weight of athletic team members
- Dates of attendance
- Enrollment status
- Degrees and awards received
- Photograph

Seminole State College does not publish a formal student directory. However, when the College publishes the items named above it designates the information as "directory information." Each student is given a reasonable period of time to ask that such information not be released without prior consent. Students will be notified through published and posted notices; such notices shall designate a deadline to be met by those students who wish to withhold consent for release of directory information.

Request for Enrollment and Degree Verification

College Credit Students

Seminole State College has made the **National Student Clearinghouse** its authorized agent for processing Degree and Enrollment Verification requests for our students.

College Credit Degree Verification

The Clearinghouse's DegreeVerify service is designed to fulfill the verification requirements of companies or organizations requiring proof of a student's degree status. To request a Degree Verification, visit the **National Student Clearinghouse online**.

College Credit Enrollment Verification

The Clearinghouse's EnrollmentVerify service is designed to fulfill verification requirements for students and companies or organizations needing proof of a student's enrollment status. To make an Enrollment Verification request, Seminole State College students should log into the **MySeminoleState** portal and click the Enrollment Verification link on the left navigation provided in the Academic Records tile within their My Student WorkCenter. All other requesters should visit the **National Student Clearinghouse website**.

Adult Education

Degree and Enrollment Verification

Adult Education diploma verification or enrollment verification is not available from the Clearinghouse and must be requested through the Enrollment Services/Registrar's Office. You can submit the **Request Form** by mail or in person at Student Services on any campus. Our mailing address is: Seminole State College, C/O Enrollment Services/ Registrar, 100 Weldon Blvd., Sanford, FL 32773.

If you have questions regarding a National Student Clearinghouse service, please contact their Customer Service Department at 703.742.4200 or **enrollmentverify@studentclearinghouse.org** or **degreeverify@studentclearinghouse.org**. Mailing address: National Student Clearinghouse, 2300 Dulles Station Blvd., Suite 220, Herndon, VA 20171.

Official transcripts are available only through **Parchment**. Students can view his/her unofficial transcript via the **MySeminoleState** portal and click the View Unofficial Transcript link on the left navigation provided in the Academic Records tile within their My Student WorkCenter. Seminole State College will not release any records to a third party unless authorized by FERPA or the Enrollment Services/Registrar's Office.

Academic Recognition President's and Dean's List

The Seminole State College of Florida District Board of Trustees recognizes superior academic achievement. College credit students who are enrolled in six or more credit hours and career certificate students (previously named PSAV) who are enrolled in 180 contact hours (six credit hours) and in good academic standing are eligible for recognition.

- Students with a term grade point average (GPA) of 3.75 or higher will be placed on the President's List for a period of one term.
- Students with a term GPA of 3.25 to 3.74 (inclusive) will be placed on the Dean's List for a period of one term.

Graduation Honors

College credit and career certificate students are eligible for graduation honors if they have been in attendance at Seminole State for at least two full terms. The appropriate honors are recorded on the students' diplomas and their names are identified in the graduation program. Colleges and universities utilize the following criteria to award academic honors:

Grade Point Average Honors

- Cum Laude: 3.2-3.49
- Magna Cum Laude: 3.5-3.79
- Summa Cum Laude: 3.8-4.0

Grading Basis

Grade Point Average (GPA): Final grades for each term are recorded and preserved. The following chart is used to calculate the GPA:

Letter Grade	Short Description	Points
A	Excellent	4
B	Good	3
C	Average	2
D	Passing	1
F	Failure	0

The following enrollment codes do not affect GPA:

Letter Grade	Description	Points
I	Incomplete	0
W1	Student withdrawal	0
W2	Faculty withdrawal of the student (Adult Education and Career Certificate Courses Only)	0
W3	Administrative withdrawal of the student	0
W4	Faculty withdrawal of the student based on no attendance	0
W5	Withdrawal of the student based on petition	0
X	Audit	0
N	No credit	0
NC	Non-credit course	0
NG	No grade assigned	0
P	Passing	0
SP	Satisfactory Progress	0
U	Unsatisfactory progress	0
R20	No credit (administrative retake)	0

1. **Incomplete:** An "I" may be given at the faculty member's discretion when the student has not completed the required coursework by the end of the term. To award this grade, the student must present valid reasons to the instructor for not having completed the course requirements. **The "I" grade will become an "F" on the morning of the 31st day from the first day of the next semester if the coursework is not completed during this time period.** Transcripts will indicate "grade lapse" when "I" grades are lapsed to the grade of "F." The student is not eligible for graduation or honors until all "I" grades have been changed on the academic record. The "I" grade may also affect eligibility for financial aid.

2. **Withdrawal:** Florida State Board of Education Administrative Rule, Chapter 6A-14.0301, requires state colleges to adhere to the following procedures relating to the award of a "W" when students withdraw from a course:
   A. The student may withdraw without academic penalty from any course by the published withdrawal date for that semester or term. A withdrawal is considered an "attempt;"
   B. The student will be permitted a maximum of two withdrawals (two attempts) per course;
   C. Upon the third attempt, the student will not be permitted to withdraw and will receive an "A," "B," "C," "D" or "F" grade for that course. An appeal for a fourth attempt may be submitted based upon major extenuating circumstances.

3. **Audit:** Students who wish to enroll in a course but do not want to receive a grade or credit for that course may enroll for an audit. Students will not be allowed to change from audit status to credit status or from credit status to audit status after the 100 percent refund date each term. Audit courses will be included on the student's academic record with a grade of "X."

4. **Non-Credit:** The "NC" is assigned automatically for any zero-credit-hour course. "NC" is used for continuing education, economic development, lifelong learning and other classes for which no credit is awarded.

5. **No Grade Assigned:** The "NG" is assigned by the Enrollment Services/Registrar's Office in cases where the instructor did not submit a grade in time for normal processing of grades. The student is not eligible for graduation or

honors until all "NG" grades are removed from the academic record.

6. **Satisfactory Progress and Unsatisfactory:** The "SP" and "U" grades, respectively, are used only for those courses that have received prior approval through the curriculum review process to award the satisfactory/unsatisfactory grades.

Grade Forgiveness Policy

The grade forgiveness policy allows a student to repeat a course in which the student has earned a "D" or "F" in an attempt to improve the grade earned in the course. Only the last grade earned in a repeated course will be computed into the student's GPA, provided the final grade is not an "NC," "X" or "W." A student is limited to two repeat attempts per college credit course. The final course attempt will be applied in the student's degree audit.

All courses attempted at Seminole State will appear on the student's transcript. Repeated courses will be indicated by a "Previous Attempt" for initial attempt and "Repeated for credit" for the final attempt. Courses that may be repeated more than once for credit will be indicated with an "Allow."

Students should be aware that some colleges and universities may not honor Seminole State's forgiveness policy and compute the initial attempt in the GPA. It is the responsibility of the student, if planning to transfer, to check with the receiving institution to determine if that institution will honor Seminole State's forgiveness policy and how the institution will calculate the student's multiple course attempts into the GPA.

Once a degree is awarded, a student may not repeat a course to improve that degree's GPA.

Students may not repeat courses by credit-by-examination.

Students receiving financial aid should consult with the **Financial Aid and Scholarships Office** prior to enrolling in any course for grade forgiveness.

Grade Reports and Transcripts

Grades are accessible online via the **MySeminoleState** portal approximately one week after the end of each session or term. Grade reports are not mailed to students. Please check the academic calendar for specific grade post dates.

College, Vocational, and Adult Education students may request an official transcript* through the **MySeminoleState** portal or **Parchment.com**. Printed transcript request forms are no longer accepted.

Official transcripts are for colleges, universities and employers. Incoming, secure PDF transcripts must be sent directly to **studentrecords@seminolestate.edu** from the issuing institution or by one of the following services: Parchment, National Student Clearinghouse, SCRIP-SAFE, Scribbles Software (ScribSoft), or JST (Joint Services Transcript). Forwarded emails from students with transcripts attached are not acceptable.

*The official transcript is printed on special security sensitive paper that provides document protection, includes the College seal and Registrar's signature, and mailed in a sealed envelope. An electronic official transcript is an official transcript that is digitized to a PDF document with enhanced security features and delivered electronically over a secure network. When either the envelope has been opened or the email is forwarded by the requestor or printed and re-scanned in an email, the transcript is no longer considered official.

Withdrawals

Student Withdrawals:

A student desiring to withdraw from a course after the add/drop period must initiate withdrawal procedures by completing the withdrawal form and submitting it prior to the published deadline. Withdrawals are not official until the completed withdrawal form is received, approved and processed by Student Services or eServices. **The student is solely responsible to ensure the accuracy of the course(s) and section number(s) from which he/she wishes to withdraw**. Students cannot withdraw by phone or via the **MySeminoleState** portal.

The final withdrawal date shall be interpreted to

mean the point by which midterm assessments are completed. This will be the day that is closest to, but not to exceed, 61 percent of the total class days for that class. Withdrawal deadlines for the term are published in the official College Catalog.

Students should be aware that a reduction in course load may jeopardize their athletic eligibility, financial aid, veterans benefits, standards of progress, and student visa status.

State Board Rule specifies that students are permitted a maximum of three attempts per course. Upon the third attempt, students must pay full cost of tuition. Students are not permitted to withdraw from the course and will receive a grade for that course.

Before the third attempt, students may withdraw without penalty from any course before the midpoint in the semester. Student withdrawals after this date are not permitted.

Faculty Withdrawal of Student Based on No Attendance ("No Show"): Procedure 4.0900 - Faculty Recording of Student Attendance (https://www.seminolestate.edu/policies-procedures/procedures/instruction/4.0900). A "No Show" is a student who has not physically attended a face-to-face class or has not engaged in an academic activity in an online class by the date published by the Registrar.

Faculty must report "no shows" on each grade roster on or before the third (3rd) college business day after the end of drop/add by entering the code of "W4" along with the last date of attendance. In the case of a 3rd attempt class, a "no show" is to be reported by posting an "F" with the last date of attendance.

The last date of attendance shall be the day before the first day of the term. For distance learning classes, attendance at mandatory orientation or participation in other academically related activities will be the determining factor for reporting the W4.

Faculty Initiated Withdrawal of Student from a Course (Adult Education and Vocational Careers Only): Procedure 4.0900 - Faculty Recording of Student Attendance (https://www.seminolestate.edu/policies-

procedures/procedures/instruction/4.0900). After the add/drop deadline and prior to the last published date to withdraw from the course (Vocational), faculty may withdraw a student (assign a W2 grade) without warning, who has been absent from class exceeding ten percent (10%) of the scheduled class or activity time or lack time interactivity or responsiveness in a distance learning course with a defined attendance requirement. Faculty members must assign the withdrawal (W2) within 2 weeks of the student's last date of attendance.

Withdrawal from the College: Students who withdraw or are withdrawn from all courses must follow the same procedures as students who are withdrawing from one course. Failure to follow procedures may cause a student to fail courses unnecessarily. Students who withdraw after the published add/drop period are not eligible for a refund.

Medical Withdrawal from Classes: Procedure 4.0705 (**https://www.seminolestate.edu/policies-procedures/procedures/instruction/4.0705**). Emergency or extraordinary medical circumstances occur that are out of the student's control, resulting in students not being able to demonstrate mastery of the student learning outcomes and/or meet attendance requirements identified in the course(s) for which they are enrolled. When this is the case, the student can request a medical withdrawal from one or more classes when experiencing a serious illness or serious injury necessitating a medically necessary absence from the remainder of the semester, accruing no credit.

The "Medical Withdrawal Request Package" can be downloaded/printed using the following link: **Medical Withdrawal Request Package**.

Classification of Students and Enrollment Verification

- **Freshman:** You are classified as a freshman if you have completed less than 30 college-level credits toward a degree.
- **Sophomore:** You are classified as a sophomore if you have completed at least 30 college-level credits toward a degree.
- **Junior:** You are classified as a junior if you have

completed at least 60 college-level credits and are admitted to a bachelor's degree program.

- **Senior:** You are classified as a senior if you have completed at least 90 college-level credits and are admitted to a bachelor's degree program.
- **Non-Degree-Seeking Student:** A student admitted for purposes other than earning a degree.
- **Transient Student:** A student who is registered for a course(s) at Seminole State College with the approval of their home college or university for that specific course(s). Degree-seeking students currently enrolled at Seminole State who wish to enroll in a course at another institution for the purpose of applying that credit toward their degree at Seminole State will maintain their current degree-seeking status and are not classified as "transient" at Seminole State.
- **Audit Student:** A student who enrolls in a college course in which no credit is earned. Audit students must complete the admission process and meet all requirements as a student attempting the course for credit. Students may not register to audit a course until the add/drop period begins. Students cannot change from an audit to credit after the add/drop deadline.

Enrollment Verification

Full-/Part-Time Credit Requirement per term

- **College Credit:** 12 credit hours/6-11 credit hours
- **Vocational:** 15 contact hours/7.5-14.5 contact hours
- **ABE/GED:** 15 credit hours/12 credit hours
- **ESOL:** 20 contact hours/12 contact hours
- **Social Security:** 21 contact hours/20 contact hours or less

Request for Enrollment Verification

Seminole State College has made the National Student Clearinghouse its authorized agent for processing Enrollment Verification requests for its students.

- College Credit: The Clearinghouse's EnrollmentVerify service is designed to fulfill verification requirements for students and companies or organizations needing proof of a student's enrollment status. To make a verification request, Seminole State students should log into the MySeminoleState portal and use the Enrollment Verification link provided in the Academic Records tile within their My Student WorkCenter. All other requesters should visit the National Student Clearinghouse website.
- Adult Education: Adult Education enrollment and diploma verification services are not available through the National Student Clearinghouse and must be requested through Seminole State's Enrollment Services/Registrar's Office. To request an enrollment verification, please complete the Enrollment Verification Request form. To request an additional or replacement diploma, please complete the Request for Replacement Diploma/Certificate form and submit it to the Enrollment Services/Registrar's Office by mail or in person at Student Services on any campus.

Note: Current term enrollment verifications will not be available until approximately seven (7) business days after the add/drop deadline. The add/drop deadlines can be found in the **online catalog calendars section.** Seminole State College of Florida submits data to the National Student Clearinghouse approximately once a month.

Our mailing address is:

Seminole State College of Florida

C/O Enrollment Services/Registrar's Office

100 Weldon Boulevard

Sanford, FL 32773

Degree Verifications

Seminole State College has made the **National**

Student Clearinghouse its authorized agent for processing Degree Verification requests for its students.

- College Credit: The Clearinghouse's DegreeVerify service is designed to fulfill the verification requirements of companies or organizations requiring proof of a student's degree status. To request a Degree Verification, visit the National Student Clearinghouse website.
- Adult Education: Adult Education diploma verifications are not available from the National Student Clearinghouse and must be requested through Seminole State's Enrollment Services/Registrar's Office. You can submit the Request Form by mail or in person at Student Services on any campus.

Our mailing address is:

Seminole State College of Florida

C/O Enrollment Services/Registrar's Office

100 Weldon Boulevard

Sanford, FL 32773

Registration

Registration Information and Dates

Students can find registration information and dates the following ways:

- Student Enrollment Appointments are displayed in student's MySeminoleState account under "Enrollment Dates."
- Academic Calendar section of the online catalog (Fall, Spring, and Summer Terms) under "Priority Registration."
- Communications via email from Recruiting and Admissions to check Enrollment Appointments.

Types of Enrollment Appointment Dates and Priority Registration

Registration appointment times (Enrollment Appointment Dates) are assigned to student accounts each term:

Type 1: Priority registration appointments begin day one of the enrollment period: Students receiving Veteran Affair benefits, and students identified by Disability Support Services, Honors, Student Life, and Athletics.

Type 2: Standard registration appointments begin day two of the enrollment period: All returning students that are degree seeking.

Type 3: Open registration appointments begin day three of the enrollment period: New students, non-degree, and dual enrollment students.

Type 4: Special course registration appointments for day one of the academic session: Students auditing a course, using State Employee fee waivers, and students using Senior Citizen waivers.

Note: Student's identified as a Military Veteran will receive the earliest priority registration appointment each term.

Registration Procedures for College Credit Students

First-Time-In-College (FTIC) Registration

New student course registration is available by enrollment appointment only. For students to receive a registration appointment, the following documentation must be submitted to the Admissions Office:

1. Application for admission;
2. Residency statement;
3. Official high school transcript(s) (in a sealed envelope) and/or GED® transcript (in a sealed envelope);
4. Official college transcript(s) from all previously attended schools (in a sealed envelope);
5. Official placement test scores (ACT, SAT, PERT or ACCUPLACER Next Generation) that are not more than two years old;
6. Documentation of English proficiency (for students whose native language is not English).

Attempts Per Course

Florida State Board of Education administrative rules limit the number of times a student may attempt a course. An attempt is defined as: student enrollment in a course(s) after the 100 percent refund deadline (add/drop period) date.

The total attempts limitation does not apply to repeatable courses, such as music, choir and teacher recertification.

Additional Fees for Course Repeats

Effective Fall Term 1997 and thereafter, students enrolled in the same college credit course more than two times must pay fees at 100 percent of the full cost of instruction. Full cost of instruction is equivalent to the tuition fees assessed to non-Florida residents. Upon the third attempt, the student is assessed the full cost of instruction, is not permitted to withdraw and will receive a grade for the course. A fourth attempt may be allowed based on major extenuating circumstances. Should the appeal for a fourth attempt be approved, the grades from the third and fourth attempts will be calculated in the GPA and the full cost of instruction will be waived per state statute. This is the last opportunity to complete the course, and if the student should stop attending, a grade of "F" will be

Registration After a Class Has Met

Students may register for classes through the end of the add/drop period. It is the responsibility of the student to reach out to their instructor if they are enrolling in a class after the class has met. Additionally students are encouraged to register for classes offered later in the term, including those in alternate sessions such as Odd Term, 12W and B sessions.

Senior Citizens

The District Board of Trustees waives any or all tuition and fees for one college credit course per semester (up to four credit hours) for persons 60 years of age or older who are residents of the State of Florida. This privilege will be granted only if such college credit classes are not filled (space available basis) during the add/drop period of registration. Courses in which students have earned a grade of "C" or higher may not be repeated unless the course has been designated as repeatable. The College may limit or deny this privilege for courses in programs for which the board has established selective admission criteria.

assigned.

Courses may be taken for credit or audited. Courses that have selective admission criteria or courses offered through the vocational non-credit or online third party providers are not included under this program. Senior citizen students are financially responsible for appropriate laboratory fees. Only college credit classes qualify for senior citizen waivers and laboratory fees must be paid separately.

Students who qualify for the tuition waiver must show proof of age via an official government issued photo identification to a Student Success Specialist. Students who qualify for the tuition waiver must follow the same entrance requirements as students whose fees are not waived. If a student's program plan is post-high school, he/she must show proof of high school graduation prior to enrollment; if the student's program plan is post-baccalaureate, he/she must demonstrate proof of earned baccalaureate degree prior to enrollment. If the student is in a post-associate degree plan, they must show proof of earned associate degree prior to enrollment. Degree-seeking students must be admitted and submit official transcripts from any previously attended schools. Students wanting to audit a course can only choose this option during the add/drop period.

Graduation Requirements

Graduation Requirements

Graduation and certificate requirements may change due to changes in state laws or rules. Students are encouraged to visit with an academic advisor prior to each term. Any requests for course waivers or substitutions must be submitted in writing and approved by the Admissions and Graduation Committee for the Associate in Arts degree or the appropriate dean for the Bachelor, Associate in Science degrees, and certificates and processed by the Enrollment Services/Registrar's Office prior to the end of the term in which the student plans to graduate. In addition, all transcripts, course re-evaluations, course substitutions, career pathways credits, grade changes and milestones must be submitted and/or met prior to the end of the term in which the student plans to graduate.

Students are responsible for meeting the requirements for graduation or program completion as set forth in the College catalog and any published changes for their specified catalog term prior to applying for graduation.

The catalog considered "in effect" and binding on the student is one of the following:

1. The catalog semester/program plan under which a student originally enrolled and must graduate or complete his or her program within five years from the initial semester of enrollment. However, if there is a break in enrollment lasting a full academic year or longer (three or more consecutive semesters), then a new "in effect" catalog is established based on the re-admit semester.
2. The catalog under which a student is re-admitted will govern the student's graduation requirements. A student previously enrolled whose attendance is interrupted by 12 months or more will be re-admitted under the current catalog year and must graduate or complete his or her program plan within five years from the semester of re-admission under that catalog.
3. The catalog semester in which a student changes or begins a new program plan. A student may change his or her program plan prior to the first day of classes of a semester. Once classes for the semester begin, any requested program changes will be processed and effective for the next semester. **It is the student's sole responsibility to ensure that he/she is in the program plan he/she desires.** Students will follow the catalog requirements of the semester in which the change of program plan takes effect and must complete the program within five years.
4. The College reserves the right to change the curriculum as necessary. Some courses or programs may be discontinued. The College does not guarantee the courses will always be available. Students enrolled in programs where curriculum is determined by state legislation, rule, licensing and/or accrediting agencies or students enrolled in programs where significant state-of-the-art technological changes have occurred may be required to satisfy the current catalog's graduation requirements.

General Graduation Requirements - Associate in Arts, Associate in Science degrees

The degree candidate must satisfy these general requirements:

1. Complete a minimum of 60 credit hours with a grade point average (GPA) of 2.0 excluding courses designated by an asterisk (*) in the course description section of this catalog (college preparatory level courses and vocational level courses).
2. Complete at least 25 percent of the total degree requirements at Seminole State (e.g., 60 credit-hour degree requires at least 15 credit hours completed at Seminole State College).
3. Achieve a cumulative GPA of 2.0 ("C") in all courses taken at Seminole State, provided that only the final grade received in a course repeated by the student was used in the calculation of average. Transfer courses at upper-division level (3000-4000) and at the college preparatory level are excluded from the GPA calculation. A grade of "D" used to satisfy

degree requirements may or may not transfer, subject to the policies of the institution that the student enters.

4. Successfully complete (grade of "C" or higher) the following: six semester hours of English coursework and six semester hours of additional coursework in which the student is required to demonstrate college-level writing skills through multiple assignments and six semester hours of mathematics coursework at the level of college algebra or higher. For the Associate in Arts degree, Seminole State requires that students satisfy the requirements by successfully completing General Education coursework in English, humanities, social sciences, sciences, and history, as well as mathematics courses. For the Associate in Science degree, ENC 1101, ENC 1102 and mathematics General Education courses must be completed with a grade of "C" or higher. If mathematics courses are not required for the program, students must test out of preparatory mathematics or successfully complete preparatory mathematics courses in order to be eligible for college-level mathematics.

5. Complete all college preparatory level courses required by entry-level testing with a grade of "C" or higher.

6. Have on file official transcripts of all college work previously taken at other colleges or universities.

7. Submit an Intent to Graduate Form with an Assigned Advisor by the published deadline date in the College Academic Calendar.

8. The student is not eligible for graduation until all grades of "I," "IP" and "NG" have been removed from the academic record, unless documented by the previous institution that it is a final grade.

9. A student must be enrolled in college-level coursework at the College during the semester that he/she graduates. It is the student's sole responsibility to ensure that his/her program plan is correct and current for the semester that he/she plans to graduate. The College will not change the student's program plan if it is not accurate.

10. Academic record holds may prevent the release of transcripts, diplomas, or related credentials, if outstanding obligations to the College are not satisfied prior to graduation.

Associate in Arts (A.A.) Degree Requirements

1. Satisfactorily complete 36 semester hours of the General Education requirements.

2. Complete items one through nine of the General Graduation Requirements.

3. Demonstrate competency in a foreign language, beginning with students entering a Florida College System institution or state university in 2014-2015 and thereafter.

4. Students entering the Florida College System in 2015-2016 and thereafter must complete at least one General Education CORE course in each section as part of the General Education course requirements. Please refer to the General Education Core Course page, https://www.seminolestate.edu/catalog/ student-info/graduation-requirements/ general-education-state-core-courses in the College Catalog for additional information.

5. Students entering the Florida College System in 2018-2019 and thereafter must satisfy the Civic Literacy requirement. Please refer to the Civic Literacy Requirement page, https://www.seminolestate.edu/catalog/ student-info/graduation-requirements/civic- literacy-requirement in the College Catalog for additional information.

6. Students entering in 2021-2022 and thereafter with less than 15 credit hours, must satisfy the First-Year Experience Flightpath: Chart Your Course (IDS 1107) requirement.

Associate in Science (A.S.) and Associate in Applied Science (A.A.S.) Degree Requirements

1. Satisfactorily complete a prescribed course of study in one of the A.S./A.A.S. degree programs.

2. Satisfactorily complete 15 or more semester hours of the General Education requirements as specified in the program.

3. Satisfactorily complete all General Graduation Requirements except item four.

NOTE: Students with an Associate in Arts or Baccalaureate degree from a regionally accredited

institution shall be considered to have satisfied General Education requirements for Seminole State College's Associate in Arts, Associate in Science and/or Baccalaureate degrees.

College Credit Technical Certificates and Career Certificates Requirements

1. Satisfactorily complete a prescribed course of study in one of the certificate programs.
2. Satisfactorily complete items 2, 6, 8 and 9 of the General Graduation Requirements.
3. If non-exempt, complete PERT for College Credit Technical certificates.
4. If non-exempt, complete TABE (if required by program) for Career certificates.
5. Minimum cumulative GPA of 2.0 or higher in courses required for the certificate program.

Dual Enrollment Requirements

Dual Enrolled students that will be completing the requirements for a degree or certificate program should submit their Intent to Graduate form to the Dual Enrollment Office prior to the deadline posted in the Academic Calendar. The Intent to Graduate form is available online at Seminole State College's Graduation webpage. The Intent to Graduate form must be signed by an Academic Advisor before submission. For questions about the dual enrollment graduation process please email dualenrollment@seminolestate.edu.

Baccalaureate Degree Requirements

Please refer to the Baccalaureate Degree section of the College Catalog.

Foreign Language Proficiency

Foreign Language Proficiency Requirement
Students enrolled in Seminole State College's baccalaureate degree programs must demonstrate foreign language proficiency. Additionally, per Florida Statute 1007.25, "Beginning with students initially entering a Florida College System institution or state university as FTIC in 2014-2015 and thereafter, coursework for an Associate in Arts degree shall include demonstration of competency in a foreign language."

Students may satisfy Seminole State College's foreign language proficiency requirement through:

Demonstration of proficiency through completion of two credits (two years) of sequential high school instruction in one language other than English with a passing grade each year as documented on an official high school transcript.

Demonstration of proficiency by passing Advanced Placement (AP), Cambridge Advanced International Certificate of Education Program (AICE), College Level Examination Program (CLEP), Foreign Language Achievement Testing Service (FLATS), International Baccalaureate (IB) foreign language examination, or the Foreign Language Proficiency Test administered by the University of Central Florida.

Demonstration of proficiency through completion of a sequence of two college credit courses in a single foreign language with a passing grade in each course. The following foreign language college credit course sequences are available at Seminole State College and satisfy the proficiency requirement:

- ASL 1140 American Sign Language I and ASL 1150 American Sign Language II
- FRE 1120 Elementary French I and FRE 1121 Elementary French II
- SPN 1120 Elementary Spanish I and SPN 1121 Elementary Spanish II
  Note: American Sign Language may not fulfill the foreign language graduation requirement at some universities.

Transfer course sequences which satisfy the proficiency requirement include:

- ARA 1120 Elementary Arabic I and ARA 1121 Elementary Arabic II
- GER 1120 Elementary German I and GER 1121 Elementary German II
- LAT 1120 Elementary Latin I and LAT 1121 Elementary Latin II
- POR 1120 Elementary Portuguese I and POR 1121 Elementary Portuguese II
- SPN 1340 Spanish for Heritage Speakers I and SPN 1341 Spanish for Heritage Speakers II

Additional foreign language course sequences may be accepted to meet proficiency requirements based on transfer credit evaluation.

Demonstration of Proficiency in Native Language

Effective January 2018, students whose native language is not English may demonstrate proficiency in their native language. Students must submit the **Foreign Language Requirement Waiver Petition form** with accompanying documentation to Student Services on any Seminole State campus or by mail.

Students must be able to provide proof of enrollment in a foreign institution in which the language of instruction was not English as documented by a high school or college transcript. A copy of the transcript is required to be submitted with the petition form for consideration.

Mailing address:

Seminole State College of Florida

C/O Enrollment Services/Registrar's Office

100 Weldon Boulevard

Sanford, FL 32773

Note: Satisfaction of this foreign language proficiency graduation requirement at Seminole State may also satisfy the foreign language admission requirement for Florida public universities. However, universities may have specific foreign language proficiency graduation requirements. Students are responsible for verifying acceptability at the institution to which they plan to transfer.

Student Learning Outcomes

Statement of Intention

The Seminole State College experience provides a holistic framework to help students prepare for their career fields and to navigate their daily lives as collaborative members of the community. Beyond imparting formal knowledge, the goal of college is to help students engage with the world in all its diversity. A Seminole State education is thus intended to be a transformation, allowing students to become the fullest and brightest expressions of themselves.

The following seven College-wide Student Learning Outcomes provide a framework that supports the entire Seminole State College experience and what students will learn and achieve during their time here.

Information Literacy — Discovering, interpreting, evaluating, and using information appropriately in creating new knowledge and practicing life-long learning.

Application of Knowledge — Working individually or collaboratively to think critically, generate new ideas, and formulate solutions to problems through quantitative and qualitative reasoning.

Creative Thinking — Giving expressive shape to ideas and gaining an appreciation for innovation and creativity.
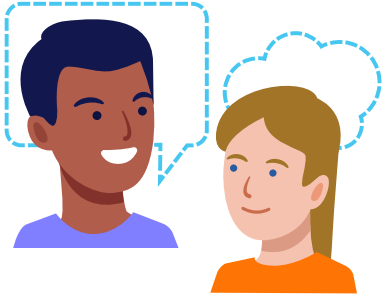
Effective Communication

Actively listening and respectfully exchanging ideas in verbal, non-verbal, and written formats with consideration for audience and context.

Cultural Competence

Understanding cultural identity, valuing diversity, and committing to equity through the continuous pursuit of the knowledge, awareness, and skills needed to effectively engage in cross-cultural interactions and foster inclusion.

Ethical Reasoning

Assessing values within a broader social context in order to recognize and analyze how different perspectives can be applied to ethical dilemmas.

Civic Responsibility

Developing an increased awareness and actively participating in addressing civic, social, environmental, and global issues.

Graduate Placement Rates
Latest Placement Rates Available From State Data

Academic Program	Academic Plans	2019–2020 Graduates Percent Placed
Bachelor of Science	Engineering Technology BS	73%
Bachelor of Science	Business Information Management BS	100%
Bachelor of Science	Construction BS	91%
Bachelor of Science	Health Sciences BS	84%
Bachelor of Science	Information Systems Technology BS	100%
Bachelor of Science	RN-to-BSN	95%
Bachelor of Applied Science	Interior Design BAS	100%
Bachelor Certificate	Project Management Certificate	100%
Bachelor Certificate	Simulation in Healthcare Education	100%
Bachelor Certificate	Social Media and E-Marketing	100%
Associate Science	Accounting Technology	100%
Associate Science	Architectural Engineering Technology	100%
Associate Science	Business Administration	100%
Associate Science	STEM	92%
Associate Science	Computer Aided Drafting and Design	67%
Associate Science	Computer Programming and Analysis	100%
Associate Science	Construction Management	100%
Associate Science	Criminal Justice Technology	90%
Associate Science	Early Childhood Education	94%
Associate Science	Emergency Medical Services	100%
Associate Science	Entrepreneurship and Business Management	100%
Associate Science	Fire Science Technology	100%
Associate Science	Health Information Technology	83%
Associate Science	Information Systems Technology	96%
Associate Science	Interior Design Technology	97%
Associate Science	Legal Assistant/Paralegal	96%
Associate Science	Digital Media	100%
Associate Science	Digital Cinema and TV Production	80%
Associate Science	Nursing R.N.	99%
Associate Science	Administrative Office Management	100%
Associate Science	Physical Therapist Assistant	81%
Associate Science	Respiratory Care	92%
Associate Science	Social Media and Marketing	100%
Associate Applied Science	Automotive Engineering Technology	100%

Technical Certificate	Accounting Applications	100%
Technical Certificate	Accounting Operations	100%
Technical Certificate	Accounting Specialist	100%
Technical Certificate	Advanced Computer-Aided Design Technical	100%
Technical Certificate	Associate Project Management	100%
Technical Certificate	Automotive Maintenance and Light Repair	90%
Technical Certificate	Automotive Technician	100%
Technical Certificate	Building Construction Technology	98%
Technical Certificate	Business Operations	100%
Technical Certificate	Business Specialist	100%
Technical Certificate	Child Care Center Management Specialization	100%
Technical Certificate	Computer Programming	100%
Technical Certificate	Computer Programming Specialist	100%
Technical Certificate	Computer Repair and Installation	90%
Technical Certificate	Computer-Aided Design	98%
Technical Certificate	Criminal Justice Technology Specialist	93%
Technical Certificate	Digital and Interactive Media Design	100%
Technical Certificate	Digital Media, Digital Media/Multimedia Production	100%
Technical Certificate	Digital Media, Graphic Design Production Certificate	100%
Technical Certificate	Digital Media, Graphic Design Support Certificate	100%
Technical Certificate	Digital Media/Multimedia Web Production	
Technical Certificate	Digital Video Fundamentals	100%
Technical Certificate	Early Childhood Education Infant/Toddler Specialization	95%
Technical Certificate	Early Childhood Education Preschool Specialization	100%
Technical Certificate	Early Childhood Education, Early Intervention Specialist	100%
Technical Certificate	Emergency Medical Technician (EMT)	84%
Technical Certificate	Entrepreneurship	100%
Technical Certificate	Entrepreneurship Operations	100%
Technical Certificate	Financial Operations	100%
Technical Certificate	Financial Operations Specialist	100%
Technical Certificate	Fire Officer Supervisor	100%
Technical Certificate	Global Business	100%
Technical Certificate	Homeland Security Professional	94%
Technical Certificate	Human Resources Administrator	100%
Technical Certificate	Information Technology Analysis	100%
Technical Certificate	Instructional Design	100%

Technical Certificate	IT Client Specialist	100%
Technical Certificate	Lab Science Certificate	90%
Technical Certificate	Management	100%
Technical Certificate	Marketing	100%
Technical Certificate	Medical Information Coder/Biller	74%
Technical Certificate	Network Infrastructure	100%
Technical Certificate	Network Server Administration	100%
Technical Certificate	Network Support Technician	100%
Technical Certificate	Office Management	100%
Technical Certificate	Office Specialist	96%
Technical Certificate	Office Support	100%
Technical Certificate	Paramedic Technology	100%
Technical Certificate	Pharmacy Technician	93%
Technical Certificate	Residential Staging Specialist	96%
Technical Certificate	Small Business Management	100%
Technical Certificate	Social Media and Web Applications	
Technical Certificate	Sustainability	100%
Technical Certificate	Video Editing and Post Production	100%
Technical Certificate	Virtualization	75%
Technical Certificate	Web Development	100%
Career Certificate	Air Conditioning, Refrigeration and Heating Technology 1	90%
Career Certificate	Correctional Officer	100%
Career Certificate	Construction Apprenticeship - Electricity	100%
Career Certificate	Crossover From Correctional Officer To Law Enforcement Officer	100%
Career Certificate	Electrician Helper	100%
Career Certificate	Fire Academy	84%
Career Certificate	Fire Academy/EMT Combined	75%
Career Certificate	Fire Sprinkler System Technology	100%
Career Certificate	Florida Law Enforcement Academy	94%
Career Certificate	Plumbing Technology	89%

Notes: This list represents outcomes for students who completed academic plans during the 2019-2020 year. Academic plans that did not have completers during 2019-2020 are not listed. Academic plans not active as of the printing of this catalog are not listed. Placement percentages are based on the number of students in the placement pool for each academic plan. The placement pool includes students found by the state placement system. Placement is defined as working in a degree-related field, continuing postsecondary education, or serving in the military.

General Education Core Courses

General Education Core Courses

Seminole State College's Associate in Arts students entering the Florida College System as First Time In College (FTIC) in the 2015-2016 academic year through the 2021-2022 academic year must complete at least one identified core course in each section as part of the State of Florida general education course requirements.

Beginning in the 2022-2023 academic year and thereafter, students entering associate in arts, associate in science or associate in applied science, or baccalaureate degree programs must complete at least one identified core course in each section as part of the State of Florida general education course requirements.

All public postsecondary educational institutions shall accept these courses as meeting general education core course requirements. The remaining general education course requirements shall be identified by each institution.

Beginning with students who initially enter a postsecondary institution in the 2022-2023 academic year and thereafter, Seminole State College of Florida and other public postsecondary institutions are required to award students a nationally recognized digital badge upon completion of general education core courses that demonstrate career readiness.

The first digital badge in effect for Fall 2022 is **Fundamentals of Written Communication**. Please visit the General Education Digital Badge catalog page for additional information.

Section	State Core Course Options	General Education Digital Badge Available
Communication	ENC 1101/ENC 1101H	
Humanities	ARH 1000 HUM 2020/HUM 2020H LIT 2000 (Not offered at Seminole State College of Florida) MUL 2010/MUL 2010H PHI 2010/PHI 2010H THE 2000	X

Social Science & History	AMH 2020/AMH 2020H ANT 2000 ECO 2013/ECO 2013H POS 2041/POS 2041H PSY 2012/PSY 2012H SYG 2000/SYG 2000H	X
Natural Science	AST 1002/AST 1002H BSC 1005/BSC 1005H BSC 1005C (Not offered at Seminole State College of Florida) BSC 1085 (Not offered at Seminole State College of Florida) BSC 2010C CHM 1020/CHM 1020H/CHM 1020C CHM 2045C/CHM 2045CH ESC 1000 EVR 1001/EVR 1001H/EVR 1001C PHY 1020 PHY 1053C PHY 2048C/PHY 2048CH	X
Mathematics	MAC 1105 MAC 2311/MAC 2311H MGF 1106 MGF 1107 STA 2023/STA 2023H	X

Civic Literacy Requirement

The State of Florida requires that all students graduating from Seminole State College of Florida and other institutions in the Florida College System (FCS), as well as from any State University System (SUS) institution, fulfill a Civic Literacy Competency requirement prior to submitting an Intent to Graduate form in the term they plan to graduate.

Beginning in Fall 2018, students entering a Florida public institution as an Associate in Arts (A.A.) and Baccalaureate (B.S. & B.A.S) degree-seeking First-Time-In-College (FTIC) student needed to demonstrate civic literacy through either taking a certain course *or* passing an exam.

The 2021 Florida Legislature amended the statute and now requires students entering a Florida public institution as an Associate in Arts (A.A.) and Baccalaureate (B.S. & B.A.S) degree seeking student to complete both a civic literacy course *and* exam.

The 2022 Florida Legislature amended the statute and now requires students entering a Florida public institution as an Associate in Science (A.S.) and Associate in Applied Science (A.A.S) degree seeking student to complete both a civic literacy course *and* exam.

Thus, there are three cohorts of students currently matriculated at Florida public institutions subject to varying requirements. As shown in Table 1, the exact civic literacy requirements are based on the academic term in which a student first enrolled in a Florida public institution.

Dual Enrollment students who began taking courses in the Florida College System or Florida State University System Fall 2018 and thereafter, must satisfy the Civic Literacy requirement prior to the award of an Associate in Arts or Baccalaureate degree.

Table 1: Civic Literacy Requirements by Cohorts of Students

Students included in Cohort		Civic Literacy Competency Requirement
Cohort 1	Degree-seeking students (A.A, B.S., and B.A.S) first entering the FCS or SUS prior to Fall 2018	None
Cohort 2	Degree-seeking (A.A., B.S., and B.A.S) first time in college students entering the FCS or SUS in Fall 2018–Summer 2021	Complete a course *or* exam
Cohort 3	Degree-seeking students (A.A., B.S., and B.A.S) first entering the FCS or SUS in Fall 2021 and thereafter Degree-seeking students (AS., A.A.S) first entering the FCS or SUS in Fall 2022 and thereafter	Complete *both* a course *and* exam*

*There are two exceptions for Cohort 3 students only. High school students who pass the Florida Civic Literacy Exam in high school, which will be in place beginning Fall 2021, are exempt from the postsecondary exam requirement. They are still required, however, to take the course. Also, certain accelerated mechanisms meet the

course requirement (see Table 2)

Table 2: Current Options for Cohorts 2 & 3

Options	Score	Meets Course Competency	Meets Exam Competency
Courses			
POS 2041/H	Passing Grade	X	
AMH 2020/H	Passing Grade	X	
Accelerated Mechanisms			
Advanced Placement (AP)Government and Politics: United States Exam	3	X	X
Advanced Placement (AP) United States History Exam	4	X	X
Cambridge AICE History, US History, c.1840-1990 (A-Level)	A-E	X	
CLEP American Government Exam	50	X	X
IB History, (HL): History of the Americas	5-7	X	
Additional Assessments			
Florida Civic Literacy Examination (FCLE) *	60%		X

Students are encouraged to take the Florida Civic Literacy Examination (FCLE) while they are currently enrolled in AMH 2020, or POS 2041, or upon recent completion of these courses.

*Students who wish to meet the Assessment requirement with the Florida Civic Literacy Examination (FCLE) must schedule an appointment to complete the FCLE with the **Assessment and Testing Center**. Appointments are available year-round using the **FCLE appointment page**.*

State Board of Education Rule 6A-10.030 (previously Gordon Rule)

State Board of Education Rule 6A-10.030 (previously Gordon Rule) for College Credit Students

Prior to receipt of an Associate in Arts degree from a public state or community college or prior to entry into the upper division of a public university or college, a student shall complete successfully (grade of "C" or higher) the following: six (6) semester hours of English coursework and six (6) semester hours of designated general education humanities, social science and history courses that require the student to demonstrate college-level writing skills through multiple writing assignments and six (6) semester hours of mathematics coursework at the level of college algebra or higher.

Successful completion of the General Education requirements for the Associate in Arts degree satisfies this requirement (State Board of Education Rule 6A-10.030, previously Gordon Rule) which requires a student to complete multiple writing assignments in designated coursework and complete six (6) semester hours of college-level mathematics courses.

For Associate in Science degrees, ENC 1101, ENC 1102 and mathematics general education courses must be completed with a "C" or higher. Non-exempt students must test out of preparatory English and reading or successfully complete preparatory English and reading courses prior to enrolling in ENC 1101. If mathematics courses at the level of college algebra or higher are not required for the program, non-exempt students must test out of preparatory mathematics or successfully complete preparatory mathematics courses in order to be awarded an Associate in Science degree.

First Year Experience

Students enrolled in Seminole State College's associate in arts degree program in 2021-2022 and thereafter with less than 15 credit hours, must satisfy the First-Year Experience Flightpath: Chart Your Course (IDS 1107) requirement.

Students in the Flightpath course will connect directly to the robust college culture of Seminole State with its collaborative, inclusive, and supportive environment. Students will explore the Pathways approach and become familiar with campus resources and the Navigate app software. Through coursework and exploration, students will dig deeper into various career pathways, course requirements, understanding of academic expectations, and extra-curricular opportunities in their fields of interest. Students will also experience and contribute to the powerful benefits of the College's culture, including curriculum to enhance student self-advocacy, information literacy, and goal setting, all of which maximizes student success as they earn their degrees. This course requires engagement in college activities that may occur outside of your scheduled class.

For course offerings, please see the online catalog, IDS1107 First Year Experience Flightpath: Chart Your Course - Seminole State College.

Assessment, Testing and Developmental Courses

Assessment and Testing Overview

Assessment and Testing offices are located on each Seminole State College campus. Each office can accommodate the testing needs of the campus. All exams are closely monitored using security cameras and by one or more testing specialists. Tests are typically delivered in person or virtually. To ensure record security, students are required to provide a current, valid and original photo identification and a signature prior to taking any examination.

The Assessment and Testing offices administer exams in compliance with state and national regulations, including adherence to policies outlined in the Americans with Disabilities Act. Students with documented disabilities such as visual, auditory and/or physical impairments may qualify for accommodations including an alternative testing environment, if prescribed by the College's Office of Disability Support Services.

For more information about the services offered by the Assessment and Testing Offices, including testing hours, test appointments, test preparation (practice tests) and the refresh program, visit the Assessment and Testing website.

Comprehensive Assessment and Testing Offerings

Effective assessment and testing services are integral to student enrollment, placement and success. The Assessment and Testing offices provide the following examinations:

- *Accuplacer*
- *American Institute of Constructors (AIC)*
- *Automotive Service Excellence (ASE)*
- *Bureau of Fire Standards and Training Exams (Pearson Vue)*
- *Certiport Examinations (e.g., Microsoft Office Examinations)*
- *College Level Examination Program (CLEP)*
- *Comprehensive Adult Student Assessment System (CASAS/CASAS Goals)*
- *DANTES Subject Standardized Test (DSST)*
- *Florida Certification Board Exams (FCB)*
- *Florida Civic Literacy Assessment (FCLE)*
- *Florida Standard Assessment (FSA) End of Course Examinations (EOC), and English Language Arts (ELA)*
- *Foreign Language Achievement Testing Service (FLATS)*
- *General Educational Development (GED®) examination (Pearson Vue)*
- *Level of English Proficiency Exam (LOEP)*
- *National Association of Legal Assistants (NALA)*
- *Pearson Vue Examinations (e.g., certifications examinations)*
- *Postsecondary Education Readiness Test (PERT)*
- *Pro V*
- *State Officers Certification Exam (SOCE) FDLE exam (Pearson Vue)*
- *Scantron Examinations*
- *Test of Adult Basic Education (TABE)*
- *Test of Essential Academic Skills (TEAS)*

FTIC Placement Testing PERT

Seminole State College's Assessment and Testing Office offers the PERT (Postsecondary Education Readiness Test) and the PERT assesses English, reading, and mathematics skills. There is no additional charge for the PERT for the student's first attempt. Although there is no time limit, the PERT takes approximately two and a half to three hours. To take the PERT, degree seeking, non-exempt students can visit the Assessment and Testing Office on any campus and bring an official, valid, government-issued photo identification, such as a driver's license or a passport.

State Board Rule 6A-10.0315 mandates that all non-exempt first-time-in-college (FTIC) applicants for admission to state colleges and universities who apply to enter degree programs (bachelor's or associate) must be tested for reading, writing and mathematics proficiency prior to the completion of registration, using one or more of the prescribed tests (ACT, SAT, PERT or ACCUPLACER) and must enroll in college developmental communication and computation instruction if the test scores are lower than those required by the state. The Postsecondary Education Readiness Test (PERT) is used in

conjunction with the ACCUPLACER for college-credit placement into math courses.

For placement purposes, each of the skill areas of English, reading, and mathematics are independent of each other, which means that a student may place into college-level and developmental levels simultaneously. College-level ACT and SAT scores, and CPT?scores can be used for placement in lieu of PERT scores. The student may use the highest score from the ACT, CPT, PERT, or SAT for placement. Entry-level placement test scores are valid if they are less than two years old at the time of term registration.

If place scores are below the levels defined by the Florida Department of Education as required for successful performance in a college-credit program, Degree-seeking, non-exempt students will be restricted to developmental courses.

Required developmental writing and reading courses (or required EAP courses, if applicable) must be completed prior to entering English I and/ or any Gordon Rule course.

Placement Testing & Developmental Exemptions

Please refer to Developmental Courses section of the catalog for exemption information.

Postsecondary Education Readiness Test (PERT)

For college-credit students without a current ACT, ACCUPLACER, PERT or SAT score, Seminole State administers the PERT as the primary placement test. Institutional standards have been established for placing students in certain levels of courses based on the PERT scores. The PERT Refresh Program is available for students who wish to challenge their initial PERT score. Transfer students who have completed either the first level college credit English or math class (or successfully completed the last sequential developmental course) do not need to take a placement test. Completion of entry testing is required prior to participation in new student orientation and advisement and prior to registration for any course that has a math or English prerequisite.

PERT Requirements

Degree-seeking, non-exempt FTIC students and all non-exempt college credit, certificate-seeking students whose degree or certificate program is 12 or more credits must take the PERT. Such students may not register for any credit course at Seminole State until they have a set of complete scores on file.

Students in these groups must take the PERT:
- All students seeking Early College/dual enrollment.
- Non-exempt students who took a placement examination more than two years ago but never enrolled into a Florida public postsecondary institution. Students must complete the PERT refresh program before retesting.
- Non-exempt students who cannot provide ACT, SAT, PERT or ACCUPLACER official scores or scores on an official transcript by the date of their advising appointment.
- Non-exempt students who studied ESOL in high school or completed a portion of high school in a country where English is not the only official language are required to:
  - Complete a timed writing sample for possible placement into English for Academic Purposes (EAP) in addition to having college-ready PERT, ACT, ACCUPLACER or SAT scores;
  - Complete the Level of English Proficiency (ESL/LOEP) test in addition to completing the timed writing sample if PERT, ACT, ACCUPLACER or SAT scores are not college ready;
  - Score at ESL/LOEP, EAP Intermediate (EAP 400) level to take PERT math test;
  - Complete EAP sequence without retaking the PERT/LOEP. After starting the sequence, students may retake after two years' absence from sequence for advancement purposes.

PERT Exemptions

Non-exempt students are exempt from taking the PERT unless needed as a prerequisite for a specific course, if they provide written documentation for one of the following:
- Official ACT, ACCUPLACER, PERT or SAT

scores less than two years old that place the student into college-level coursework at Seminole State.

Note: The college may not mandate students to retest for placement if students have former placement scores older than two years old and have enrolled (whether enrolled into developmental courses or not) into a Florida public postsecondary institution. (Recommendation: To request scores from the College Board be sent to Seminole State College, use the school code: 5662)

- New SAT scores of 24 or above in reading, 25 or above in writing and language and 24 or above in mathematics for placement into Intermediate Algebra (MAT 1033), College Mathematics (MGF 1106), Liberal Arts Mathematics (MGF 1107), Statistical Methods I (STA 2023), Honors Statistical Methods I (STA 2023H).
- ACT scores of 19 or above on the reading and, 17 or above on English and 19 or above on math for placement into Intermediate Algebra (MAT 1033), College Mathematics (MGF 1106), Liberal Arts Mathematics (MGF 1107), Statistical Methods I (STA 2023), Honors Statistical Methods I (STA 2023H). Any score presented which is below that needed for exemption will require the student to be tested on the appropriate PERT subtest(s).
- Attended a regionally accredited college or university in which English was the language of instruction and have completed college-level or the highest college developmental-level coursework as evaluated by Seminole State in English and/or mathematics with a grade of "C" or higher.
- Official Seminole State record indicating that the student is enrolled in another college or university and has applied to Seminole State as a transient student.
- Official Seminole State record indicating that the student is enrolled for teacher recertification.

PERT Placement Scores

English Placement (PERT)

Reading Skills Score (> 106) plus Writing Skills score (> 103) = ENC 1101.

Required developmental writing and reading courses (or required EAP courses, if applicable) must be completed prior to entering English I and/or any courses that satisfies the State Board of Education Rule 6A-10.030 (previously Gordon Rule).

Reading Skills Score

50 - 105 = REA 0019 Developmental Reading or LOEP for EAP placement. REA 0055 Developmental Reading Module (If non-exempt, must have score of 101-105).

> 106 = No Prep reading required.

Writing Skills Score

50 - 102 = ENC 0022 Developmental Writing or LOEP/writing sample for EAP Placement. ENC 0055 Developmental Writing Module (If non-exempt, must have score of 98-102).

> 103 = No Prep writing required; writing sample required for EAP students.

Mathematics Placement (PERT)

Mathematics Skills Score

50 - 113 = MAT 0057 Pre-College Mathematics or MAT 0022 Developmental Mathematics Combined.

MAT 0055 Developmental Math Module (If non-exempt, must have score of 109-113).

114 - 122 = MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and Applications. 114 or above = MGF 1106 College Mathematics, MGF 1107 Liberal Arts Mathematics, STA 2023 Statistical Methods I, STA 2023H Honors Statistical Methods I

123 - *150 = MAC 1105 College Algebra

*Students who score 130 or above are eligible to take the AAF portion of the ACCUPLACER Next Generation. Please refer to the information below when working with students who have taken the AAF portion of the ACCUPLACER.

ACCUPLACER: Advance Algebra Functions (AAF) Skills Score

262 or below = MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and

Applications.

262 or Above = MGF 1106 College Mathematics, MGF 1107 Liberal Arts Mathematics, STA 2023 Statistical Methods I, STA 2023H Honors Statistical Methods I.

263-275 = MAC 1105 College Algebra

276 or above = MAC 1140 Pre-calculus Algebra or MAC 1114 Trigonometry or MAC 2233 Concepts of Calculus or MAC 1147 Pre-Calculus with Trigonometry.

Retaking the PERT

To be eligible to retake the PERT, Seminole State students must refresh their skills. Students may take the PERT three times at the college level. Between the initial PERT attempt and the PERT Refresh, each student must complete a remediation program. Acceptable remediation shall be a diagnostic exam plus an Internet-based remediation for the deficient skills found via the diagnostic exam. Students should follow these seven easy steps to complete the requirement:

- **Step 1:** Go to the testing office and request the diagnostic exam. The testing specialist will set the $10.00 cost of the diagnostic exam plus access to the online remediation program, PERT remediation.
- **Step 2:** Go to the Seminole State Cashiers Office and pay the testing fee.
- **Step 3:** Take the diagnostic exam.
- **Step 4:** Receive your test results and learn how to access PERT remediation from the testing specialist. Based on each student's skill deficiency as shown by the diagnostic tests, the PERT remediation will provide instructions about the specific skill and practice exams to check mastery. Tutoring is also available in the STAR Center of Academic Success Center.
- **Step 5:** Locate a computer for the PERT remediation. You may use computers at specified campus locations or access the remediation program from home. Campus computers are located in the library, Academic Success Center and the STAR Center.
- **Step 6:** Meet with the STAR Center/Academic Success Center staff. They will confirm that you have successfully completed remediation by demonstrating skill mastery. You cannot retest without assigned approval.

- **Step 7:** Pay for the PERT retest. Although the initial PERT is free, the retest cost is $10. Please visit the testing location where you plan to take the exam and request that the testing specialist set your fee. To pay this fee, please follow the instructions in Step 2 (above). The cost to retake the PERT is $10 per testing session whether you take one (1) or three (3) subtests. The cost remains at $10.00.

General Rules regarding the PERT Refresh Program:

1. Students may only take the PERT three times at the college level within a two-year period and must refresh before each attempt.
2. Students with the following minimum initial scores on PERT: Reading (101), Writing (98), Math (109) may take the PERT diagnostic and then self-remediate.
3. Students who have withdrawn from a course must go through the PERT Refresh Program.

Non-native English Speakers Placement Testing ESL LOEP

Seminole State College instruction is delivered in the English language. Students should have adequate mastery of the English language to pursue a course of study for credit. If English is not the student's best language, his/her entry testing will begin with the PERT and he/she may also be required to complete the ESL (English as Second Language) or LOEP (Levels of English Proficiency) test and writing sample. Students seeking degrees or career certificates or those enrolling as dual enrollment students must complete an approved placement test.

Students are not required to demonstrate English as a second language for proficiency if they have completed freshman English Composition or its equivalent (as determined by Seminole State College) with a grade of "C" or higher or if they have earned an Associate in Arts (A.A.) degree, bachelor's degree or higher for which English was the language of instruction. Official college/university transcripts are required for documenting English proficiency.

LOEP (also called ESL test)

The LOEP or ESL test is the test of English proficiency for non-native speakers of English used for initial course placement at Seminole State. To be used, the student's scores must be less than two years old. When students take the LOEP test, they will also be asked to provide a writing sample (WS). Students must apply to Seminole State to take the LOEP and WS. There is no additional charge and no appointment is necessary. The LOEP and WS may be taken on any campus on a walk-in basis.

Testing hours are available on the Assessment and Testing website. To take the LOEP and WS, visit an Assessment and Testing Office on any campus and bring an official, government-issued photo identification such as a driver's license or passport. Once a student begins course work in English for Academic Purposes (EAP), he/she is no longer eligible to retest on the PERT, LOEP and WS unless he/she has been absent from the EAP sequence for two or more years.

If the student's English proficiency is such that he/she is not required to take English for Academic Purposes (EAP) courses, the PERT will be used to place him/her in the appropriate courses.

Dual Enrollment Testing

Dual Enrollment students must complete the ACT, Accuplacer, PERT or SAT prior to registering for their first term.

Scores will be used for placement in appropriate courses. English and Reading scores must be at college level to be admitted to the Dual Enrollment program.

PERT is the primary assessment utilized for students who do not have official college ready scores on file. Seminole State College will allow three (3) attempts at our institution within a two-year period. Dual Enrollment students must wait forty-eight (48) hours between testing attempts.

Official High-School PERT Scores will be accepted from your school district.

Seminole State College does not accept PERT Scores from other post-secondary institutions for Dual Enrollment Students.

Career/Technical Program Testing

Depending on the career/technical program, Seminole State College administers the Test for Adult Basic Education (TABE) to non-exempt career certificate students (previously named PSAV). Normally, the TABE Survey, Level D (either Form 11 or 12) is provided. Completion of a prescribed remediation program is required prior to re-testing for career programs.

Minimum basic skills in mathematics, language and reading are defined in each career program description adopted under Rule 6A-6.0571. The current catalog program descriptions provide minimum required TABE scale scores to earn a certificate by program.

Students required to take the TABE are:
- First-time-in-program, non-exempt students who designate themselves as certificate-seeking in a career program of 450 hours or more. Such students must complete the TABE examination within the first six weeks of admission into the program.
- Students whose TABE scores are more than two years old and have not been used for placement.
- Students whose TABE scores are more than two years old and who have had a break in their enrollment of more than one year.

Academic advisors are available to consult with students regarding the exemptions or alternate ways to satisfy this requirement.

Developmental Courses

All applicants entering college for the first time who intend to begin degree or college credit certificate programs are tested for reading, writing and mathematics proficiency, unless a student meets one of the following two criteria:
- Entered 9th grade in a Florida public school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma.
- Serving as an active duty member of any branch of the United States Armed Services.

Exempt students are eligible to opt out of enrollment in developmental education courses.

With proper documentation, exempt students may be eligible to enroll directly into ENC 1101 and MAT 1033 or MAT 1100. Exempt students may elect to take the common placement test to help identify where additional preparation may be needed. Regardless of scores, exempt students shall not be REQUIRED to enroll in developmental education. Exempt students may also choose to enroll in developmental education in order to improve skills prior to enrolling in college-level courses. Students are encouraged to meet with their academic advisor who will assist with the best possible placement. Details on the legislation are available online.

Non-exempt students are placed in college developmental writing, reading and/or mathematics if placement scores indicate a need for developmental instruction.

Student who are classified as "Non-exempt" status and who place into 2 or more development courses must also enroll and complete SLS 1101, College Success.

Each of the three skill areas - reading, writing and mathematics - are independent of each other. Students may place at the college level in one area and at the developmental level in the other area(s). Students are required to enroll in developmental courses at the beginning of their enrollment at Seminole State and continue to enroll in them each term until they have completed their required courses. If students are enrolled in the appropriate developmental course(s), they may also enroll in the college-level courses for which they meet the prerequisite(s).

Developmental courses in reading, writing and mathematics include:

Reading Skills
- ENC 0017 Developmental Reading and Writing Combined
- REA 0019 Developmental Reading - Repeatable Course
- REA 0055 Developmental Reading Module

Writing Skills
- ENC 0017 Developmental Reading and Writing Combined
- ENC 0022 Developmental Writing - Repeatable Course
- ENC 0055 Developmental Writing Module

Mathematics Skills
- MAT 0022 Developmental Mathematics Combined
- MAT 0055 Developmental Mathematics Module
- MAT 0057 Developmental Mathematics - Repeatable Course

Student Information
State of Florida Rules

Repeating courses: Florida Statute limits students to three attempts to pass each developmental course, including original grades, repeat grades and withdrawals. Upon the third attempt, the student is assessed the full cost of instruction, is not permitted to withdraw and receives a grade for the course. The student may petition to waive the full cost of instruction due to extenuating circumstances or financial hardship by completing the "Request for Exemption from Full Cost of Instruction" (non- refundable) form available from the Enrollment Services and Registration website. Enrollment in a class beyond the 100-percent refund period, regardless of whether a student finishes the term, is considered an attempt.

The total attempts limitation does not apply to repeatable courses.

Repeatable Developmental Courses: Students who make satisfactory progress but do not complete all of the necessary topics in one semester may earn a grade of "Satisfactory" which is considered passing for purposes of standards of academic progress and financial aid. While many students will complete the necessary material in one semester, some students may need multiple semesters to achieve college readiness. Please refer to the Catalog course descriptions for information regarding repeatable courses.

Alternative instruction: In accordance with Florida law, students may use alternatives to traditional college developmental instruction. For information about these options, contact the professional staff in the Academic Success Center or meet with a Seminole State student success specialist.

Withdrawals

All developmental courses – reading, writing and mathematics – use the same withdrawal practices. Students may withdraw during the College's withdrawal period and take the same developmental course again without retesting.

Additional Reminders

- Students who fail the developmental course's Departmental Exit Exam may take the ACCUPLACER after grades are posted. If they meet the college credit cutoff score, they may enter the college credit course.
- Students who fail or earn a "D" in the last developmental course do not need to retake the course if they meet the ACCUPLACER cutoff score for the college credit course. However, the "D" does not qualify for grade forgiveness by taking the ACCUPLACER. Students must repeat the course and achieve a "C" or higher to receive grade forgiveness for the "D." However, a grade of "D" in a developmental course does not count in the college credit GPA.
- Students may not retake the ACCUPLACER for a developmental course in which they are currently enrolled unless during the add/drop period. Otherwise, they must first withdraw from the course (within the advertised withdrawal period) or wait until grades are posted.
- English for Academic Purposes (EAP) students must pass courses with a "C" to progress to the next higher level. EAP students who fail exit exams must repeat courses to earn a "C" in all required EAP courses before entering ENC 1101 or other courses with ENC 1101 as pre- or co-requisite.
- College developmental courses which have a first digit of zero (0) do not count toward a degree. However, these courses count toward eligibility for VA benefits for non-exempt students only, financial aid and intercollegiate athletics.

Placement Testing: Comparative Chart

Computation

ACT Math**	18 or below	PERT required for placement
	19-20	MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and Applications
	19 or above	MGF 1106 College Mathematics or MGF 1107 Liberal Arts Math or STA 2023 Statistical Methods or ACCUPLACER (AAF)
	23 or above	MAC 1105 College Algebra For entrance into MAC 1114 Trigonometry or higher, student must take ACCUPLACER (AAF)
ACCUPLACER Next-Generation **Quantitative Reasoning Algebra and Statistics (QAS)**	241 or below	MAT 0057 Pre-College Mathematics or MAT 0022 Developmental Mathematics Combined
	242 or above	MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and Applications or MGF 1106 College Mathematics or MGF Liberal Arts Mathematics
ACCUPLACER Next-Generation **Advance Algebra Function (AAF)**	262 or below	MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and Applications MGF 1106 College Mathematics or MGF Liberal Arts Mathematics or STA 2023 Statistical Methods I
	263-275	MAC 1105 College Algebra
	276 or above	MAC 1114 Trigonometry or MAC 1140 Pre-Calculus Algebra or MAC 2233 Concepts of Calculus or MAC 1147 Precalculus Algebra/ Trigonometry
PERT Math*	113 or below	MAT 0022 Developmental Mathematics Combined or MAT 0055 Developmental Mathematics Module or MAT 0057 Pre-College Mathematics
	114 or above	MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and Applications or MGF 1106 College Mathematics or MGF 1107 Liberal Arts Math or STA 2023 Statistical Methods I
	123-150*	MAC 1105 College Algebra
SAT Math (Since March 1, 2016)	24 or above	MAT 1033 Intermediate Algebra or MAT 1100 Mathematical Understanding and Applications and ACCUPLACER (AAF) or MGF 1106 College Mathematics or MGF 1107 Liberal Arts Math or STA 2023 Statistical Methods I or ACCUPLACER (AAF)
	26.5 or above	MAC 1105 College Algebra

*Students who score 130 or above are eligible to take the ACCUPLACER Advance Algebra Function (AAF) portion of the ACCUPLACER.

**Students who take MAC 1105 and who are going on to Analytic Geometry and Calculus I (MAC 2311) will take the following sequence: MAC 1105 --> MAC 1140 --> MAC 1114 --> MAC 2311.

Placement Testing - English & Reading

English

Test	Score	Placement Course(s)
ACT English*	16 or below	PERT required for English placement
	17 or above	No Developmental Writing required
ACCUPLACER Next Generation Writing	244 or below	ENC 0022 Developmental Writing or Writing Sample for EAP Placement
	245 or above	No Developmental Writing required (NOTE: Writing Sample required for EAP students).
PERT Writing*	50 – 102	ENC 0022 Developmental Writing or LOEP and writing sample for EAP placement
	98 – 102	ENC 0055 Developmental Reading Module
	103 or above	No Developmental Writing required; writing sample required for EAP students
New SAT Writing and Language*	25 or above	ENC 1101 English I

*Student must have both scores to be eligible for English I (ENC 1101).

Reading

Test	Score	Placement Course(s)
ACT Reading*	18 or below	PERT required for reading placement
	19 or above	No Developmental Reading required
ACCUPLACER Next Generation Reading	244 or below	REA 0019 Developmental Reading or LOEP/ Writing Sample for EAP Placement
	245 or above	No Developmental Reading required
PERT Reading*	50 – 105	REA 0019 Developmental Reading or LOEP for EAP Placement

Test	Score	Placement Course(s)
	101–105*	REA 0055 Developmental Reading Module *If Non– Exempt
	106 or above	No Developmental Reading required
New SAT Reading*	24 or above	ENC 1101 English I (no Developmental Reading required)

*Student must have both scores to be eligible for English I (ENC 1101).

Placement for English for Academic Purposes (EAP)

LOEP Reading (and PERT reading less than 106)

Score	Placement Course	Corequisite*
75 or below	Considered for ESOL classes	None
76–85	EAP 0380 Reading, Speaking and Listening	None
86–95	EAP 0420 Intermediate Reading (preparatory)	EAP 0400 then EAP 1500
96–105	EAP 1520 High Intermediate Reading (college credit)	EAP 1500 unless previously taken or placed in 0400 Level EAP
106–120	EAP 1620 Advanced Reading (college credit)	None

LOEP Writing (and PERT writing less than 103)

Score	Placement	Corequisite*
75 or below	Considered for ESOL classes	None
76–85 (LOEP and writing sample)**	EAP 0385 Low Intermediate Grammar and Writing (preparatory)	EAP 0380 then EAP 0400 then EAP 1500
86–95 (LOEP and writing sample)**	EAP 0485 Intermediate Grammar and Writing (preparatory)	EAP 0400 then EAP 1500
96–105 (LOEP and writing sample)**	EAP 1540 High Intermediate Writing (college credit) and EAP 1560 High Intermediate/Advanced Grammar (college credit)	EAP 1500 unless previously taken or placed in 0400 Level EAP
106–120	EAP 1640 Advanced Writing (college credit)	EAP 1560 unless previously taken or exempted by writing sample

*Corequisite courses EAP 0380, EAP 0400 and EAP 1500 are speaking and listening courses generally the lower–

level of their placement in reading or writing courses. Students may be exempt based on diagnostics and assessments in class. The writing sample can raise or lower placement.

**For placement into Writing and Grammar (EAP 0385, EAP 0485, EAP 1540, EAP 1560, EAP 1640), PERT, LOEP and writing sample scores are taken into consideration. The writing sample can raise or lower placement.

Alternative Ways to Earn Credit

Alternative Ways to Earn Credit

Consistent with Florida Statute (F.S.) 1007.27 and College Policy 4.030 (Acceleration to Degree Completion), Seminole State College will accept up to 45 credits from a combination of any of the acceleration mechanisms listed in this section. Students must earn at least 25 percent of degree requirements in residence at Seminole State to be awarded a degree from the College. Credit awarded by the College through acceleration mechanisms and termed "institutional credit" may or may not be accepted at other colleges or universities. Credits will not be awarded for examinations that duplicate coursework or other exam credits previously posted to a student's academic record.

Institutional credit(s) earned at other institutions will be matriculated only by formal agreement(s) with Seminole State. The credit(s) must be identified on the student's transcript as "institutional credit." The student is responsible for providing documentation of how such learning was evaluated and the basis on which the credit(s) was awarded.

1. **College Level Examination Program (CLEP):** A series of tests developed by the Educational Testing Service (ETS) and offered by testing centers throughout the nation, CLEP enables students to demonstrate their competencies in certain subjects and thereby earn college credit for particular courses without attending classes. Seminole State serves as a CLEP national test center. Students interested in receiving college credit via CLEP must adhere to the following procedures:
   a. Apply directly to the College to take an examination. Students should contact a Seminole State College's Assessment and Testing Office for the proper forms or download the application.
   b. Official scores from ETS should be mailed to Seminole State College's Enrollment Services/Registrar's Office which will determine the number of credit hours to be awarded based upon College guidelines and examination results.
   c. To receive maximum benefits, it is suggested that students take advantage of this program prior to their initial registration. Credit will not be awarded in areas covered by the CLEP examination when it would duplicate credit already awarded to the student for successful completion of college-level coursework.
   d. For students who plan to transfer, it is their responsibility to contact the institution to which they wish to transfer to determine the acceptability of CLEP credit.
   e. Students are awarded credit only. "P" (Passing) grades are given for CLEP courses and CLEP courses are not included in the GPA.

Gordon Rule courses given credit by CLEP will be treated no differently from credit earned by students taking the courses. There are 33 CLEP examinations. A student may earn three to eight credits by passing any one exam.

CLEP Registration Guides, which include application forms, are available on the **Assessment and Testing Website**. This registration guide should be studied carefully before applying to take a CLEP test.

1. **The College Board Advanced Placement (AP) Program:** Seminole State cooperates fully with accredited high schools and colleges in the Advanced Placement Program of the College Entrance Examination Board. To qualify for college credit, students must earn a score of 3 or higher on the nationally administered examination in May. Credits will not be awarded for examinations that duplicate coursework or other exam credits previously posted to a student's academic record. To award credit, the College needs an Official Grade Report. Students are awarded credit only. "P" (Passing) grades are given for AP courses and AP courses are not included in the GPA. Students are responsible for making test arrangements with the College Entrance Examination Board. Additional information can be obtained from **https://www.collegeboard.org/**.

3. **International Baccalaureate (IB) Diploma Program:** Students who successfully complete the International Baccalaureate examination with grades of 4 or higher will receive college credit. An official transcript is required and must be received by Seminole State College's Enrollment Services/Registrar's Office directly from the International Baccalaureate Office. Students are awarded credit only. "P" (Passing) grades are given for IB courses and IB courses are not included in the GPA. Evaluations of IB examinations are made after the student has been admitted to the College.

4. **Defense Activity of Non-Traditional Educational Support (DANTES) Examination/ DANTES Subject Standardized Test (DSST):** Military personnel, former military personnel, and students may request credit based on the results of their DANTES examinations, including DANTES Subject Standardized Tests after they have been admitted to the College.

5. **Excelsior College Examination Equivalents:** Excelsior College Examinations (formerly known as Regents College Exams or the Proficiency Examination Program/PEP) are developed by Excelsior College using national committees of faculty consultants and national studies to assess how well the tests measure the performance of students in actual college courses. Excelsior College Examinations are approved by the American Council on Education and Excelsior College is accredited by the Middle States Association of Colleges and Schools. More information about Excelsior College Examinations, including detailed test descriptions, can be found on the **Excelsior Website**.

6. **Advanced International Certificate of Education (AICE) Examination Equivalents:** The AICE program is an international, advanced pre-college curriculum and assessment program modeled on the British pre-college curriculum and "A-Level" examinations. Florida's public colleges and universities provide college credit for successfully passed exams. Students in Florida's public secondary schools enrolled in AICE courses do not have to pay to take the

exams. More information can be found on the **FLDOE Website**.

7. **German Abitur:** German Abitur credit is internationally recognized and is the certification that a student has successfully completed the German college preparatory educational program and has scored passing grades on the Abitur examination. Based on the specific subject area and results of the Abitur exam, students in a degree or certificate program may receive 3 to 10 credit hours per subject area when a minimum grade of 8 is achieved. Credit earned through one examination program may not be duplicated by another examination or course and will appear on the student's permanent record as earned credit only. "P" (Passing) grades are given for German Abitur courses and German Abitur courses are not included in the GPA. Official German Abitur scores must be submitted to Seminole State College of Florida for awarding of credit. For additional information contact the Enrollment Services/ Registrar's Office at 407-708-2050 or **transfercredit@seminolestate.edu**.

8. **Credit for Industry Certifications:** The Florida Department of Education has established statewide articulation agreements for specified industry certifications. Seminole State also has agreements for certifications that pertain to academic programs offered at the College, including but not limited to: Automotive, Child Care, EMT, Fire Science, Information Technology and Paramedic. Agreements are posted on the **Seminole State Articulation Agreement website.**

9. **Specified Credit for military service:** A student who has served continuously for six months or more of active duty in one of the military service branches may request college credit for training and experience in accordance with the recommendation of the American Council of Education (ACE). To receive ACE credit at Seminole State, the request must be for similar courses offered at the College.

10. **Seminole State Instructor Created "Credit-By-Exam":** Credit-By-Exam for a course is

offered by some faculty in some departments. Evidence of proficiency in a subject area when presented to the appropriate dean, instructor or director, may qualify a student to request an examination for credit, if available. To qualify, student must:

  a. Have a minimum 3.0 cumulative unweighted high school GPA;
  b. Have a recommendation of the high school principal or appropriate designated representative;
  c. Apply for admission and be accepted to Seminole State College;
  d. Submit to Assessment and Testing, the request form signed by the instructor who is giving the examination and the dean or director. The request must be submitted a minimum of four weeks before the last day of the term;
  e. Pay a course fee prior to taking the examination (Note: The credit does not affect maximum load limitations nor affect part- or full-time status. Please see the Student Fees and Residency section in the College Catalog for the appropriate fee);
  f. Complete at least one college-level course before credit-by-examination can be posted to their permanent academic record.

Students who qualify receive a grade of "P" and the appropriate credit is awarded for an examination marked "Passed." No other letter grade is assigned. Credit-by-exam does not affect GPA.

11. **High School Students:** These students who wish to enroll in college credit courses at the high school level must meet the same entrance requirements prior to beginning the courses as students desiring to enroll in those courses on the College campus, including taking the Postsecondary Education Readiness Test (PERT).

12. **Early Admission** courses are subject to the same requirements as dual enrollment courses.

13. **Dual Enrollment:** Dual Enrollment allows qualified high school students to enroll in college credit or vocational credit courses that apply toward their high school diploma. Students are exempt from the payment of all application, registration, matriculation, laboratory and textbook fees. Once enrolled in a dual enrollment course, students may not withdraw without written high school approval. To be eligible, students must provide appropriate test scores that meet course requirements and meet the following criteria:

Requirements for College Credit General Education Courses:

1. Students must have a cumulative unweighted high school GPA of 3.0 or higher. Public school and private school students must have the approval of their high school principal or their designated representative to enroll.
2. Must be college ready and meet the same entrance requirements as degree-seeking students, to include taking the Postsecondary Education Readiness Test (PERT).
3. Students will initiate their application for Dual Enrollment courses with their high school guidance department. The high school guidance department and the College's Office of Admissions are responsible for screening students prior to enrollment.
4. High school guidance personnel will provide Seminole State's Admissions Department a completed college application and an Advanced Instruction (Dual Enrollment) contract (868 Form) for each student seeking admission into a dual enrollment program.

Requirements for College Level or Career Preparation Dual Enrollment

1. Students must have a cumulative unweighted high school GPA of 2.5 or higher. Public school and private school students must have the approval of their high school principal or their designated representative to enroll.
2. Students desiring to enroll in college credit or career credit courses at the high school must meet the same entrance requirements prior to beginning the courses as students desiring to enroll in the same courses on the College campus.
3. Students will initiate their application for Dual Enrollment courses with their high school guidance department. The high school guidance department is responsible for screening students prior to enrollment.

4. General exemptions to the criteria set forth above may be initiated by the high school principal. Approval by the College's Vice President for Academic Affairs (or designee) or the appropriate academic dean (or designee) is needed before an exemption can be granted. The high school guidance department will notify the College in writing of the reasons the principal wishes to exempt a student from the stated criteria. It is the responsibility of the Vice President for Academic Affairs (or designee) or the academic dean (or designee) to notify the principal of the approval or disapproval of the exemption within 10 business days from receipt of the exemption request.

5. High school guidance personnel will provide Seminole State's Admissions Department a completed college application and an Advanced Instruction (Dual Enrollment) Contract (868 Form) for each student seeking admission into a dual enrollment program.

6. Home education students/parents must submit a home education articulation agreement and a letter from the county verifying enrollment in a home education program along with the application.

14. **Career Pathways:** This partnership program between Seminole State College and Seminole County Public Schools allows students to earn free college credit in technical areas that apply toward an Associate in Science (A.S.) degree or technical certificate. Students may also use this credit toward electives in the Associate in Arts (A.A.) degree. In Florida, the Career Pathways program ties directly to the Gold Seal Scholarship. Students who complete a defined sequence of courses in high school with at least a "B" average in the sequence and ~~also~~ pass the assessment are eligible for college credit for corresponding courses at Seminole State. To have the college credit posted to their transcripts, students must enroll in and complete at least one college-level class at the College within two years from the date of high school graduation. Students are awarded credit only. "P" (Passing) grades are given for Career Pathways courses and Career Pathways courses are not included in the GPA. Students must also complete the Request for Career Pathways Credit form. More information is available on the **Career Pathways website**.

15. **Formal Articulation Agreements with Other Educational Institutions:** A list of agreements is available on the **Articulation website**.

16. **Formal Internal Articulation Agreements:** Formal internal articulation agreements exist between some programs at the College. Students may check with the appropriate dean and program managers for information. These requirements are also posted on the **Articulation website**.

Academic Policies and Procedures

Catalog Changes

Seminole State College of Florida makes every reasonable effort to ensure the accuracy of the Catalog at the time of publication. Occasionally, changes must be made to carry on the purposes and objectives of the College. Any approved changes to the official catalog are provided and published online at www.seminolestate.edu/catalog.

Academic Integrity

Plagiarism is unacceptable. Academic work that is submitted by students is assumed to be the result of their own thought, research or self-expression. When students borrow ideas, wording or organization from another source, they are expected to acknowledge that fact in an appropriate manner. Plagiarism is the deliberate use and appropriation of another's work without identifying the source and trying to pass off such work as the student's own. Any student who fails to give full credit for ideas or materials taken from another has plagiarized.

Students who share their work for the purpose of cheating on class assignments or tests are subject to the same penalties as the student who commits the act of cheating.

When cheating or plagiarism has occurred, instructors may take academic action that ranges from:
  · denial of credit for the assignment
  · a grade of "F" on a specific assignment, examination, or project
  · the assignment of a grade of "F" for the course

Students may also be subject to further sanctions imposed by the judicial officer, such as disciplinary probation, suspension or dismissal from the College.

Student Academic Concerns and Grade Appeals

Purpose

College Procedure 4.0300 assists students and faculty in resolving student academic concerns including, but not limited to, grade appeals. The purpose of this procedure is to outline the steps to be followed to address student academic concerns and grade appeals.

Ordinarily, a professor's grades are permanent once they have been submitted to the Enrollment Services Office, usually on the final day of the term. A student who asserts that there are grounds upon which to request a change in grade may file a grade appeal according to the procedure specified herein.

Grade appeals must be filed by the student before the expiration of the successive term in which the grade was received.

Procedure

1. **Informal Conference:** The student shall request a conference with the professor involved. This initial conference is an informal meeting at which the student may present information regarding his/her academic concern/grade change request. Every effort should be made by the student and the professor to resolve the issue at this level.
2. **Informal Discussion with Dean/Supervisor** – If, the problem is not been resolved during the informal discussion with the faculty member, the student shall request to discuss the issue with the faculty member's Dean/supervisor. This initial discussion with the Dean is an informal conversation which the student may present information regarding his/her academic concern/grade change request. Every effort should be made by the student and the Dean to resolve the issue at this level. The Dean will also advise the student that all claims must be substantiated by evidence if they are to be considered by the Dean. Further, the Dean shall remind the student that knowingly furnishing false information is prohibited and is subject to sanction per the Student Code of Conduct (Policy 3.090).
3. **Written Appeal:** If the problem has not been resolved within 10 College working days of the request for the initial conference, either because the student and professor have been unable to resolve the issue informally, or

because the professor is unavailable, the student may file a Written Statement of Student Academic Concern/Grade Appeal form with the appropriate immediate supervisor(s) of the professor (Dean). The Written Statement of Student Concern or Complaint form can be found here.

The Written Statement of Student Academic Concern/Grade Appeal must describe the situation in specific detail and provide documentation of dates and participants of any informal discussions(s) or the attempts to schedule those informal discussion(s).

All Written Statements of Student Academic Concern/Grade Appeals will be entered by the Dean/immediate supervisor into the electronic Written Student Complaints online system.

The Dean/ immediate supervisor(s) shall review the Written Statement of Student Academic Concern/Grade Appeal and may meet with the student or professor individually or together to try to resolve the issue(s) raised in the appeal. (A meeting can be scheduled earlier than the required 10 days with the mutual consent of all parties involved.) A faculty member will not be required to respond to a written Statement of Student Academic Concern/Grade Appeal which does not have specific information regarding dates, times, materials involved, or any other pertinent information necessary to clearly identify the basis for the academic concern or requested grade change.

The Dean/immediate supervisor will issue a written decision about the situation within 5 college working days and at least 10 working days before any further meetings are convened. If either party in the dispute wishes further hearing beyond the immediate supervisor(s) of the professor, the grade appeal may be brought to the appropriate Associate Vice President (AVP) by that party.

4. **Review by Associate Vice President:** If either party in the dispute wishes further appeal beyond the professor's immediate supervisor(s), the aggrieved party may request a hearing with the appropriate Associate Vice

President (AVP) within 10 college working days of the decision of the Dean/immediate supervisor(s). At such time, the Written Statement of Student Academic Concern/Grade Appeal shall be updated with an account of previous actions taken and sent to the appropriate Associate Vice President (AVP). Upon receipt of the Written Statement of Student Academic Concern/Grade Appeal, the AVP will work with the involved parties in an attempt to resolve the conflict within 10 College working days of receipt of the written Appeal.

5. **Review by Vice President for Academic Affairs** : If either party in the dispute wishes further appeal beyond the dean/associate vice president, the aggrieved party may request a hearing with the Vice President for Academic Affairs within 10 college working days of the dean/associate vice president's decision. Documentation of actions taken at each prior level will be provided to the Vice President by the aggrieved party requesting the appeal. The Vice President for Academic Affairs will review the previous actions, confer with the dean/ associate vice president and meet, as appropriate, with the student, professor, dean/ immediate supervisor and associate vice president in an attempt to resolve the issue presented.

6. **Final Disposition:** The determination of the Vice President for Academic Affairs shall constitute the final disposition of the student's academic concern/grade appeal.

Student Concerns and Complaints
Purpose

College Procedure 3.0800 outlines the steps to address student concerns (non-instructional) or complaints that a policy or procedure of the College has been incorrectly or unfairly applied in their particular case, or to bring a complaint or grievance against an employee's behavior. The following steps have been established to address complaints not covered by the following procedures:

· Student instructional and faculty concerns and grade appeals are to be resolved according to Procedure 4.0300.

· Discrimination complaints are to be addressed

according to Procedure 1.0600 Discrimination Complaint.

- Students may appeal for tuition refunds according to Procedure 5.0450 by using the College's petitions process overseen by the Registrar's Office.
- Student conduct concerns are to be addressed according to Policy 3.0900 Student Code of Conduct.
- Student disability accommodation and course substitution appeals are to be resolved according to Procedure 3.0600 Accommodation of Disabled Students.

Procedure

1. **Student Ombudsman:** The student ombudsman helps students understand College policies and procedures and is a resource to help resolve concerns and appeals regarding issues such as a student's access to courses, credit granted toward the degree and other matters. The student ombudsman is a neutral person who does not make binding decisions. Information regarding the purpose, role and contact information for the Student Ombudsman can be found at: http://www.seminolestate.edu/student-complaints/

2. **Informal Conference:** The deans of students on each campus serve as the student conduct officer. They are resources to help resolve issues and concerns. Student concerns or complaints can be directed to the student conduct officer to assist in resolution and identification of individuals involved. Most student concerns or complaints can be resolved through direct communication between the student and employee involved. The student shall request an informal conference with the employee involved. This conference is an informal meeting at which the student may present information regarding his/her concern. Every effort should be made to resolve the issue at this level.

3. **Written Appeal:** If the issue has not been resolved within 10 college working days of the request for the initial conference, either because the student and employee have been unable to resolve the issue informally or the employee is unavailable, the student may file a

Written Statement of Student Concern or Complaint and submit it to the dean of students at the campus where the incident occurred. The dean of students will inform the immediate supervisor of the person against whom the complaint is being made. To accommodate the distance learning student, the written statement of student concern or complaint may be submitted electronically. The campus dean of students is responsible for keeping a record of all written student complaints submitted at their site and will be copied on all correspondence regarding the concern or complaint.

The written statement must document the informal conference or attempts to schedule an informal conference. It should describe the complaint in the clearest possible terms, provide relevant facts upon which the allegation is based and must be signed by the student.

The immediate supervisor(s) shall review the written statement and may meet with the student or employee individually or together to try to resolve the issue(s) raised in the written statement. The immediate supervisor(s) will send the student and the employee against whom the complaint was brought a written decision about the situation within five college working days.

4. **Review by the Next-level Supervisor:** If either party wishes further appeal beyond the employee's immediate supervisor, the aggrieved party may request a hearing with the appropriate next-level supervisor within five college working days of the decision of the immediate supervisor. At such time, the written statement shall be updated with an account of previous actions taken and sent to the appropriate dean of students for referral to the next-level supervisor. Upon receipt of the written statement, the next-level supervisor will work with the involved parties in an attempt to resolve the conflict within five college working days of receipt of the written statement. The next-level supervisor will send a written decision to both parties within five college working days of having received the written statement.

5. **Review by The Vice President:** If either party

wishes further appeal beyond the next-level supervisor, the party may request a hearing with the vice president responsible for the program or employee at issue. The request for a hearing with the vice president must be made within 10 college working days from when the next-level supervisor sent the written decision. The vice president will review the previous actions and meet, as appropriate, with the student, immediate supervisor, and next-level supervisor to resolve the issue(s). The vice president will send a written summary to both parties within 10 college working days of having received the written statement. The determination of the vice president shall constitute the final disposition of the student concern or complaint. The final disposition cannot be appealed.

Attendance Policy

Per Seminole State College Policy 3.060, the College recognizes the correlation between attendance and both student retention and achievement. A successful college experience requires a student's regular class attendance and active engagement.

Any class session or activity missed, regardless of cause, reduces the opportunity for learning and may adversely affect a student's achievement in the course.

Students are expected to attend all classes, actively participate and complete all assigned course work for all courses for which they are registered. For online courses, attendance is determined by consistently logging in and accessing the course content and completing courses in accordance with the syllabus.

Faculty will establish and describe in the course syllabus specific policies on class attendance at the start of the term.

The President shall establish procedures to implement this Policy.

International Students' Attendance

International students are expected to abide by the College attendance policy and meet the Standards of Academic Progress. Students who do not maintain appropriate status will be reported to the Department of Homeland Security (DHS).

College Regulations on Computer Access

Seminole State College provides computer access at various locations on its campuses. Access to online resources is available to support and enhance the teaching, learning and academic endeavors of the College.

The same moral and ethical behaviors apply in computing and non-computing environments. All users are expected to conduct themselves in a manner that reflects respect for the rights of others and protects the integrity of data, equipment, software licenses and other contractual agreements governing information technology. Abuse or misuse of computing services may violate user responsibility, Seminole State policy or state and federal laws and can result in the loss of access privileges or other disciplinary actions.

For more information, consult the Acceptable Use of College Technology Policy (7.010).

Program Closing and Conversion

Per Seminole State College Procedure 4.0800, when a college credit or career (vocational) program is closing, provisions will be made for students at least halfway through the program to complete it within a reasonable period of time, not to exceed twice the total program length for full-time students. "Halfway through the program" shall include prerequisites and specified general education courses, in addition to major courses and support courses that are part of the official program list for the catalog year in effect when the student entered the College.

Students who have not completed half of the program, using the definition above, will change their major with assistance from the program manager or dean and the College's counseling staff. Courses from the closing program will be reviewed and considered for transfer into the new major or program through the regular course substitution procedure.

Program Conversion

Per Seminole State College Procedure 4.0800, when a career (vocational) program converts to a college credit program, the following procedure will apply to students who are enrolled in the program during the academic year of the conversion and who have maintained continuous enrollment in the program:

- A committee consisting of the program manager, dean and the director of curriculum will evaluate the course descriptions, objectives and student competencies of the career program courses against the descriptions, objectives and competencies of the college credit courses.
- When there is a match of at least 80 percent, college credit will be awarded for the career program courses already completed. When the match does not reach 80 percent, students will be encouraged to satisfy the course requirement via credit-by-examination, for which the fee shall be waived.
- The director of curriculum will produce a list of the career program courses that meet the 80 percent criterion and will convert to college credit.
- For those students in the career program who do not have scores for an approved entry-level test for college-credit programs (SAT, ACT or PERT), a special testing session for the PERT will be arranged by the Director of Assessment and Testing.

Standards of Academic Progress

Per College Procedure 4.1000 Seminole State College's Standards of Academic Progress have been established to help students maintain a satisfactory grade point average (GPA), to promote student success and program completion culminating in graduation. The College expects students to apply their best effort and utilize support services to achieve academic success.

A cumulative GPA of at least a 2.0 is required to graduate. To maintain satisfactory academic progress at the College, college credit students must achieve a minimum 2.0. cumulative GPA. Successful completion of a course is defined as a grade of A, B, C or D except for those courses that specifically require a grade of C or better for successful completion. Limited access programs may have additional standards that take precedence.

A. Academic Standing: Good Standing

To be in good standing, a student must have earned a minimum 2.0 cumulative and semester GPA

B. Academic Standing: Academic Support
College credit students whose semester GPA falls below a 2.0 will be placed on Academic Support. Academic Support provides students with notification that they are not maintaining satisfactory progress. Students are strongly encouraged to receive academic support through free tutoring services available through the Academic Success Center. Students on Academic Support are also strongly encouraged to speak with their assigned advisor to discuss their Educational Pathway, and to seek assistance from Faculty, the Program Manager or Associate Dean. To be removed from Academic Support at the end of the next semester, students must achieve a minimum semester GPA and cumulative GPA of a 2.0.

C. Academic Standing: Academic Supervision
Students on Academic Support whose semester GPA again falls below a 2.0 will be placed on Academic Supervision. In addition, students who have a cumulative GPA below 2.0 after earning thirty (30) credit hours, including transfer course work, will be placed on Academic Supervision. Students on Academic Supervision are strongly encouraged to seek support through free academic tutoring services provided by the Academic Success Center.

   a. To be removed from Academic Supervision students must achieve a minimum semester GPA and a cumulative GPA of at least 2.0.

   b. Students who have been placed on academic support or academic supervision will receive notification to schedule an appointment to meet with their assigned advisor. The assigned advisor will discuss the importance of satisfactory academic progress, the minimum 2.0 cumulative GPA required to graduate, and provide additional resources, to include tutoring.

   c. Students on Academic Support or Academic Supervision will receive communication from their assigned advisor regarding standards of academic progress, tutoring support, and other resources that supports student achievement.

D. A cumulative GPA of 2.0 or higher is required for graduation. Transfer courses are factored into the Seminole State College GPA.

Student Code of Conduct

Student Code of Conduct

Student Code of Conduct (Policy 3.090) - Seminole State College

Policy

Seminole State College has a single code of conduct that applies to all students at the College. For the purposes of this Policy, the term "student" is defined as any individual who has applied to the College in the past year or is a student enrolled in the College in any program.

General Expectations

All students at Seminole State College agree to abide by all regulations, as published in the College Catalog, this code, the student handbooks and other College publications, as well as federal, state and local laws. Student groups and organizations may be held responsible for the actions of its members, including violations of this Code by those associated with the group or organization or of the group or organization's leaders or officers.

Seminole State College is a diverse learning community. We strive to maintain an atmosphere of mutual respect concern for others' welfare and academic integrity. By choosing Seminole State College, it is expected that students will:

- Act with personal integrity and honesty.
- Embrace diversity, equity and inclusion in the college community we serve.
- Refrain from participating in acts of intolerance.
- Communicate and act in a way that does not provoke, harass, intimidate or harm another.

Authority

This College recognizes that a thoughtful and reasoned search for truth can be conducted only in an atmosphere that is free of intimidation and coercion. Seminole State College reserves the right to determine when the Code of Conduct and its policies and procedures have been violated and if or when to administer disciplinary actions. Proceedings of the investigation of each case and the action taken will be officially recorded.

The Vice President of Student Affairs (or their designee) is responsible for administering student discipline. Alleged violations of student regulations or other student misconduct shall be referred to the Office of Student Conduct or other designee as a representative of the Vice President for Student Affairs. The Code shall apply to conduct that occurs on College premises, at College-sponsored activities, and to off-campus conduct that adversely affects the College community and/or the pursuit of its objectives and/or when required by law. The College will abide by all Florida Statutes and Florida Board rules applicable to student discipline. Due process, as addressed in College Policy 1.220, will be provided to ensure that students receive fair and equitable treatment and are clearly aware of their rights and responsibilities under this procedure. The College may charge a student or organization with a violation of this Code up to two semesters from the date the College first receives knowledge of the violation. This time period may be extended by the Vice President over Student Affairs.

The College's professional programs may have different professional behavior standards that can be addressed within that academic program. Information regarding those standards is outlined in the professional program handbooks. Any behavior that would result in probation, suspension or dismissal from a class or the program must be referred to the Office of Student Conduct.

Primary responsibility for managing the classroom environment and addressing academic dishonesty and classroom behavior rests with the faculty. Suspensions from class (or the learning environment), or dismissal on disciplinary grounds are student conduct matters that must first be referred to the Student Conduct officer for investigation, determination and action.

Prohibited Conduct

1. **Academic Misconduct**: As members of the College community, students are expected to be honest in all their academic coursework and activities. Academic misconduct (included but not limited to-cheating on examinations, course assignments or projects, plagiarism,

misrepresentation and the unauthorized possession of examination or course-related materials) is prohibited.

- ◦ Plagiarism and self-plagiarism are unacceptable to the College community. Academic work that is submitted by students is expected to be original and a result of their own thought, research or self-expression. When students borrow ideas, wording or organization from another source, they are expected to acknowledge that fact in an appropriate manner. Inappropriate behavior may include; submitting assignments in a current class that were already submitted in other classes. (Self-Plagiarism).
- ◦ Faculty members may act in cases of academic misconduct such as denial of credit or assigning a grade of "F" on a specific assignment, examination or project, or assigning a grade of "F" for the course.
- ◦ Any student who shares their work, including utilizing or posting to online sources, for the purpose of cheating on class assignments or tests or helping another to cheat or plagiarize is subject to the same penalties as the student who commits the act.
- ◦ For resolution of student academic concerns, including grade appeals, please reference College Procedure 4.0300.
- ◦ Students may be subject to academic sanctions imposed by the faculty member according to his or her academic professional judgment and disciplinary sanctions imposed by the Student Conduct Officer in accord with this procedure such as disciplinary probation, suspension, or dismissal from the college.

2. **Aiding, Solicitation and Attempt**: A person is in violation of this procedure if he or she:
   - ◦ Intentionally aids or abets another in the commission of any offense(s) mentioned in this procedure;
   - ◦ Requests, hires, encourages, or otherwise solicits another person to commit any offense mentioned in this Code, either intending that the other person commit the offense or with the knowledge that the other person intends to commit the offense; or
   - ◦ Attempts to commit any offense mentioned in this Code.

3. **Adjudicated Violations of State or Federal Law**:
   - ◦ The College disciplinary process is an educational process. Therefore, additional sanctions may be imposed under the Student Code of Conduct. Any adjudicated violations of state or federal criminal statutes may result in disciplinary action by the College. The College will enforce the provisions of Section 1006.62, Florida Statutes.

4. **Alcohol**:
   - ◦ The possession, use or consumption of alcohol is prohibited on College premises and at College functions without the specific written permission of the President. Any student whose behavior becomes unacceptable or disruptive because of being under the influence on any of the College's campuses or at any college-sponsored event off campus will be subject to discipline. Any student who is suspended for alcohol-related violations can apply for readmission only after successfully completing a certified alcohol abuse program and at least one semester of suspension.

5. **Battery**: A physical act whereby a person touches a person against their will that results in harmful or offensive contact with another person.

6. **Fire Safety & Arson**:
   - ◦ No person shall set a fire in College buildings or for the purpose of destroying College property or property of any other person.
   - ◦ No person shall tamper with fire equipment nor use such equipment for reasons other than the prevention or control of fire; or falsely report a fire, interfere in any way with emergency services or procedures, or fail to conform to established safety regulations.

○ Unauthorized use or possession of fireworks or explosive chemicals on College premises or at College-sponsored activities is prohibited.

7. **Computer Abuse**
   a. College information technology is to be used in a lawful and ethical manner for College related purposes only, in compliance with international, federal, state and local law, the State Board of Education Rules, and the policies and procedures of the College.
   b. All users are expected to conduct themselves in a manner that reflects respect for the rights of others and protects the integrity of data, equipment, software licenses and other contractual agreements governing information technology.
   c. Violations of the College's computer use policy (Policy 7.010) include, but are not limited, to:
      a. Use of College information technology to break any international, federal, state or local law or to aid in any crime.
      b. Use of College information technology for commercial purposes or personal profit.
      c. Use inconsistent with the College's non-discrimination policy, including the prohibition of sexual harassment; creating, viewing, printing, storing, transmitting or publicly displaying obscene, defaming, slanderous, harassing, or offensive data (including sound, video, text, and graphics data).
      d. Circumventing established College software security procedures or obtaining information systems access and passwords to which one is not entitled.
      e. Unauthorized alteration or removal of College hardware security systems.
      f. Unauthorized modifications to College hardware or software.
      g. Unauthorized access, alteration or destruction of another person's data, programs, or electronic mail.
      h. Connecting or installing personal or non-College owned information technology hardware or software to the College network without prior approval.
      i. Installing non-College owned software without prior approval and documented proof of legal licensure.
      j. Use of information technology to endorse, promote, lobby or raise money for any political candidate or political organization.
      k. Distribution of unwanted electronic mail or other messages or unauthorized use of any scheme (broadcast messages, chain letters, junk mail, "spamming") that may cause excessive network traffic or computing loads.

8. **Copyright**:
   ○ It is the student's responsibility to abide by all copyright laws and regulations, which are made available on the College's website and in the online Copyright Basics: Fair Use document (located at the time of this writing: www.seminolestate.edu/library/services/copyright/ and http://www.copyright.com/learn/media-download/copyright-on-campus/ The copyright protections normally associated with print also govern the use of the electronic environment in the use of audio, video, images and text found on the Internet. Unauthorized peer-to-peer file sharing of copyrighted material, distribution of others' copyrighted works and illegal downloading violate federal copyright law. Because it is easy for the computer user to copy and use images, text, video and other graphics that are likely to be protected by copyright, it is essential to become familiar with permitted uses for educational media. It is important to note that a document may be copyrighted even if it does not explicitly state that it is copyrighted. As a result, it is best to assume materials such as documents, images or video clips are copyrighted. Ask permission and state a

source when using others' materials.

- The unauthorized use of the College's name by any person, persons and or organizations is prohibited.

9. **Damage & Vandalism**: Intentional damage to College property or premises, or the property of a member of the College community, or littering on College property is prohibited.

10. **Dating violence**: Violence between individuals who have or have had a continuing and significant relationship of a romantic or intimate nature. The existence of such a relationship shall be determined based on the consideration of the following factors, including:
    - The length of the relationship
    - The type of relationship
    - The frequency of interaction between the persons involved in the relationship.
    - The College maintains authority for investigating alleged incidents of dating violence when the involved parties' actions could affect the campus environment, safety, and security.

11. **Discrimination**:
    - The College prohibits discrimination on basis of race, color, religion, pregnancy, national origin, ethnicity, age, sex, gender, veterans' or military status, disability, sexual orientation, genetic information, marital status, or any other factor protected under applicable federal, state, and local laws, rules, and regulations against students, employees, applicants for admission, and applicants for employment. Discrimination may include acts of harassment or retaliation, domestic violence or dating violence. Repeated violations of these requirements may subject the student to dismissal. For discrimination complaints, please reference procedure 1.0600.

12. **Dishonesty**:
    - Dishonesty, including, but not limited to, nonacademic cheating or knowingly furnishing false information, is prohibited.

13. **Disruptive Behavior**: Students who act to impair, interfere with or obstruct the orderly conduct, process and functions of the College are disruptive.
    - Students who engage in any prohibited or unlawful acts which disrupts the orderly functioning of the college or the delivery/ reception of instruction may be directed by a faculty or staff member to leave the location where the behavior occurred.
    - Examples of disruptive behavior inside and outside the classroom include repeated tardiness, interfering with the learning process of others, outbursts, verbal abuse, and profanity.

14. **Domestic Abuse**:
    - Violence committed by a current or former spouse or intimate partner of the victim, by a person with whom the victim shares a child in common, by a person who is cohabitating with or has cohabitated with the victim as a spouse or intimate partner, by a person similarly situated to a spouse of the victim under the domestic or family violence laws of the jurisdiction receiving grant monies, or by any other person against an adult or youth victim who is protected from that person's acts under the domestic or family violence laws of the jurisdiction.
    - The College maintains authority for investigating alleged incidents of domestic abuse when the involved parties' actions could affect the campus environment, safety, and security.

15. **Dress**: Students are expected to dress in a manner that is conducive to the college environment.

16. **Drugs**:
    - To possess, buy, sell, use or keep illegal drugs or illegal drug paraphernalia is prohibited. Students who use drugs on any of the College's campuses or at any college-sponsored events off campus will be subject to disciplinary sanction. Those students who are suspended for drug-related violations can apply for readmission only after participating in a

drug abuse program and completing at least one semester of suspension.

- ◦ Any student who sells or manufactures illegal drugs on any of the College's campuses or at any event sponsored by the College that is off campus will be subject to dismissal. That student can apply for readmission only after completing one full year of dismissal. Readmission will be granted to suspended or dismissed student only after he/she provides evidence that they have completed a certified drug rehabilitation program or completed treatment with a certified substance abuse treatment professional which attests to them now being drug free.
- ◦ The College has the responsibility to refer for prosecution anyone engaging in illegal drug or controlled substance activity on the College's campuses or at any of the College's events.
    1. The College shall enforce the provisions of Florida Statutes chapter 893 (Drug Abuse Prevention and Control)

17. **Duplication of College Keys**:
    - ◦ Duplication of College keys is prohibited.

18. **Failure to Comply**:
    - ◦ Failure to comply with published College policies, procedures, departmental and program regulations and requirements or with directions of College officials who are authorized and acting in the performance of their duties is prohibited. Repeated violations of this requirement may subject the student to dismissal.

19. **Firearms and Lethal Weapons**:
    - ◦ Florida and Federal laws prohibit the possession or use of firearms or other weapons on College property, except as authorized in support of school-sanctioned activities. With exception, persons aged 18 years or older may lawfully possess a concealed firearm or other weapon for self-defense or other lawful purpose within the interior of a private conveyance (vehicle) without a license, if the firearm or other weapon is securely encased or is otherwise not readily accessible for immediate use. Possession or use of a firearm or other weapon on College property outside of a private vehicle or otherwise not in compliance with state law will be subject to disciplinary sanction.

20. **Fraud**:
    - ◦ Fraud, forgery, alteration or unauthorized use of documents, College records or instruments of identification, with the intent to defraud or deceive, is prohibited.

21. **Gambling**:
    - ◦ Gambling or other illegal or unauthorized games or contests of chance are not permitted on College premises or at any College-sponsored events held off campus.

22. **Guests**:
    - ◦ Students will be held fully responsible for the behavior of their guests.

23. **Harassment (based on protected class)**: Harassment is unwelcome conduct that is so severe, pervasive, and objectively offensive that it effectively bars the target's equal access to educational resources, opportunities or benefits. Prohibited harassment of an individual is physical, verbal, or nonverbal conduct based on the student's race, color, religion, gender, national origin, disability, age, veterans' status, sexual orientation or marital status or any other basis prohibited by law or College policy that is so severe, persistent or pervasive that a reasonable individual in that situation would find that conduct:
    1. Affects an individual's ability to participate in or benefit from an educational program or activity, or creates an intimidating, hostile, or offensive educational environment;
    2. Has the purpose or effect of substantially or unreasonably interfering with the student's academic performance; or
    3. Otherwise adversely affects the individual's educational opportunities. Repeated violations of these requirements

may subject the student to dismissal. For discrimination complaints, please reference procedure 1.0600.

24. **Harassment (Sexual)**: Sexual harassment, a form of discrimination, is defined as unwelcome sexual advance, requests for sexual favors, sexual misconduct, and other verbal, non-verbal, written and/or electronic communication or physical conduct of a sexual nature when:
    ◦ Submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or academic status;
    ◦ Submission to or rejection of such conduct by an individual is used as a basis for employment or academic decisions affecting such individual; or
    ◦ Such conduct has the purpose or effect of unreasonable interfering with an individual's work or academic environment.
        1. Repeated violations of any of these requirements may subject the student to dismissal.
        2. If an individual feels that he/she has been the target of some form of harassment, that individual should discuss the incident with any Student Conduct Officer or the Equity Officer. For sex discrimination complaints, please reference College procedure 1.0600.

25. **Hate Crimes**:
    ◦ Per federal Public Law #103-322A, a hate crime is "a crime in which the defendant intentionally selects a victim, or in the case of a property crime, the property that is the object of the crime, because of the actual or perceived race, color, religion, national origin, ethnicity, gender, disability, or sexual orientation of any person."

26. **Hazing**:
    ◦ Students or other persons associated with the College or College's clubs and/or organizations are prohibited from engaging in any activity that can be described as hazing. "Hazing" is any action or situation that recklessly or intentionally endangers the mental or physical health or safety of a student for purposes including, but not limited to, initiation or admission into or affiliation with any organization operating under the sanction of a postsecondary institution. "Hazing" includes, but is not limited to, pressuring or coercing the student into violating state or federal law, any brutality of a physical nature, such as whipping, beating, branding, exposure to the elements, forced consumption of any food, alcohol, drug, or other substance, or other forced physical activity that could adversely affect the physical health or safety of the student, and also includes any activity that would subject the student to extreme mental stress, such as sleep deprivation, forced exclusion from social contact, forced conduct that could result in extreme embarrassment, humiliation or other forced activity that could adversely affect the mental health or dignity of the student. Hazing does not include customary athletic events or other similar contests or competitions or any activity or conduct that furthers a legal and legitimate objective.
    ◦ A person commits hazing when he or she intentionally or recklessly commits, solicits a person to commit, or is actively involved in the planning of any act of hazing upon another person who is a member or former member of or an applicant to, any type of student organization and the hazing creates a substantial risk of physical injury or death to such other person.
    ◦ It is not a defense to a charge of hazing that the consent of the victim had been obtained; the conduct or activity that resulted in the death or injury of a person was not part of an official organizational event or was not sanctioned or approved by the organization; or the conduct or activity that resulted in death or injury of the person was not done as a condition of membership to an organization.

- All College organizations are required to include the above anti-hazing rule in the bylaws of such organizations, and any club or organization violating the hazing rule, on or off campus, will have its charter revoked and will not be permitted to operate on the College's property or to otherwise operate under the sanction of the College.
- Any student acting as an individual who violates the above rule on or off campus will be subject to probation, suspension or dismissal. Penalties recommended for violations of this rule by individual students will be based on whether a hazing violation is "major" or "minor" in scope. In determining whether a hazing violation is "minor" or "major" in scope, the primary consideration will be the presence of or potential for serious physical or emotional harm to the victim of the hazing as determined by the Student Conduct Officer or designee assigned to investigate and alleged violation.

27. **Identification of Individuals**:
    - No person shall permit others to use his or her College identification card or refuse to provide his or her name and show appropriate identification to a College official performing his or her duty.

28. **Identity Theft**:
    - Any form of identity theft or unauthorized acquisition or use of another's personal information or identification is prohibited.

29. **Sexual Assault**:
    - Oral, anal, or vaginal penetration by, or union with, the sexual organ of another or the anal or vaginal penetration of another by any other object without mutual consent.

30. **Skates, Bicycles, Mopeds, Scooters, Motorcycles and related vehicles**:
    - Skating, skateboarding, hoverboards, and other related vehicles are prohibited on College property.
    - Vehicles and modes of transport are to be parked and stored in approved parking lot locations. Use of items listed above are not permitted inside College buildings or on college grounds. The owner is responsible for any damages caused by bringing any such item into a building or onto College grounds.

31. **Soliciting**:
    - According to College procedure 1.1000, soliciting or canvassing for commercial purposes by any individual or group is not permitted on college premises.

32. **Stalking**:
    - Engaging in a pattern of conduct that willfully, maliciously, and repeatedly follows, harasses, or cyberstalks another person commits the offense of stalking.

33. **Theft**:
    - Theft of College property or of property of a member of the College community on College premises is prohibited.

34. **Tobacco and Vaporizer Use**:
    - Tobacco of any kind, in any form is prohibited. This includes, but is not limited to: tobacco used in cigarettes, cigars, pipes, vaporizers, and electronic cigarettes. Snuff, chewing tobacco and other tobacco products are also prohibited.
    - The use, sale, or distribution of tobacco of any kind is prohibited on all College owned, operated, leased, and/or controlled properties, facilities, and roadways per College Policy 6.021.

35. **Threats and Intimidation**:
    - Verbal, non-verbal, written or other communication that a reasonable person would find reflects intention to instill fear of physical or psychological harm is prohibited.
    - Bullying, defined as an aggressive behavior that is intended to cause distress or harm, in which there may be an imbalance of power or strength, and is repeated over time including cyberbullying.
    - Use of obscene or abusive language, or offensive gestures, of any kind while in

class, in any college department or during any college sponsored activity or event.

- ◦ Statements, photos or depictions of others that are intended to refer to a specific class of persons in a derogatory way are strictly prohibited.

36. **Unauthorized Access to Facilities**:
    - ◦ Unauthorized access or entry to, or use of, College facilities and equipment is prohibited.

37. **Unauthorized Recording or Publication**: Students may only audio or video record a class lecture. A lecture is defined as "a formal or methodical oral presentation, given by the instructor as part of a college course, that is intended to present information or teach two or more enrolled students about a particular subject. Lecture does not include laboratory or clinical settings and/or other practical exercises where fellow students are demonstrating learned skills or the application of concepts in hypothetical situations.
    - ◦ Faculty permission is not required if students record lectures. All other recordings of class content is considered unauthorized.
    - ◦ Students may not publish or share class recordings without the consent of the lecturer, unless expressly in compliance with state law.

38. **Violation of College Regulations, Policies or Procedures**:
    - ◦ Violating approved College regulations, policies or procedures is prohibited.

39. **Violation of Disciplinary Sanction**:
    - ◦ Knowingly violating terms of any disciplinary sanction imposed in accordance with College policy is prohibited.

Disciplinary Sanctions

A disciplinary sanction is an outcome for violations of the Student Code of Conduct. Disciplinary sanctions will be determined and administered by college officials in order to encourage greater adherence to the Student Code of Conduct, hold students accountable, and to cultivate a safe and healthy learning environment. Factors will be considered when sanctions are imposed including, but not limited to, current behavior, past disciplinary record, the nature of the offense, severity of the damage and resulting injury or harm.

A disciplinary record will be created and documented in the student's file.

1. **Warning**: A written reprimand to the student or student organization indicating that repetition of said act will be cause for further disciplinary action; copies of which will be placed in College Student Conduct files.
2. **Disciplinary Probation**: Placing the student(s) or student organization(s) on notice that a repetition of this or other misbehavior will be grounds for more serious disciplinary action; this may include exclusion from certain College activities. Students currently on disciplinary probation or suspension may not hold or run for any elected or appointed positions. Student Life will consult with student conduct officer responsible for student conduct files to validate students' eligibility. Additional conditions appropriate to the violation may be imposed.
3. **Restitution**: Repayment to the College or others affected for damages resulting from a violation of this Procedure.
4. **Suspension**: Exclusion from College premises and other privileges or activities for a period as set forth in the notice of suspension.
5. **Dismissal**: Permanent termination of student or organization status.
6. **Other**: Other types of sanctions as set forth in College regulations and consistent with the incident involved. These types of sanctions are educational in nature and encourage reflective student behavior in accordance with the College mission. Examples of education sanctions include, as a letter of apology to aggrieved parties, community service, mandatory attendance of an anger management seminar, or learning opportunities, etc.

Student Rights

1. The right to receive timely written notice which is 7 business days. The College must provide a student or student organization with

timely written notice of the student's or student organization's alleged violation of the code of conduct. The notice must include sufficient detail and be provided with sufficient time to prepare for any disciplinary proceeding.

2. The right to a presumption that no violation occurred.

3. The right to an impartial hearing officer, which shall be selected by the College. An impartial hearing officer is one who has not participated in the preparation for, investigation of, or as an advisor for or against a complainant or respondent regarding the alleged violation(s).

4. The right against self-incrimination and the right to remain silent. Such silence may not be used against the student or student organization.

5. The right to present relevant information and question witnesses, subject to the instructions and limitations of the hearing officer.

6. The right to an advisor or advocate who may not serve in any other role, including as an investigator, decider of fact, hearing officer, member of a committee or panel convened to hear or decide the charge, or any appeal.

7. The right to have an advisor, advocate, or legal representative, at the student's or student organization's own expense, present at any proceeding, whether formal or informal. Such person may directly participate in all aspects of the proceeding, including the presentation of relevant information and questioning of witnesses. The College must be made aware of the participation of the advisor, advocate, or legal representative at least 2 business days before any proceeding at which the person will be present. All participation shall be subject to the instructions and limitations of the hearing officer.

8. The right to appeal the final decision of the hearing officer, or any committee or panel, directly to the vice president of student affairs, or any other senior administrator as designated by the code of conduct, who must hear the appeal and render a final decision.

9. The right to an accurate and complete record of every disciplinary proceeding relating to the charged violation of the code, including record

of any appeal, to be made, preserved, and available for copying upon request by the charged student or student organization.

10. Students may waive some or all of these rights through your actions or failure to exercise them.

Disciplinary Procedures

1. Any member of the College community may refer a student to the Office of Student Conduct alleging that a violation of the code has taken place by submitting the conduct referral form.

2. After referral, alleged violations of the code of conduct or other misconduct will be assigned to the Office of Student Conduct for review and resolution. Alleged violations will be investigated by the Office of Student Conduct or designated representative.

3. The purpose of the College disciplinary procedures is to provide a fair review of alleged violations of this Code. Decisions are based on a preponderance of evidence presented during the hearing process.

Emergency Administrative Action/ Temporary Suspension from Classes and College Premises

In an emergency, the College may waive, suspend, alter, or amend any policies, procedures, or guidelines to ensure the safety of students, employees, guests and the community. The decision whether to take Emergency Administrative Action is vested within the discretion of the Vice President for Student Affairs, or designee.

In cases of conduct violations, within two working days of the Emergency Administrative Action, a letter of alleged violation(s) will be provided to the student by the Vice President of Student Affairs or designee. The Student Conduct Officer handling the matter will schedule a meeting within seven working days after the letter has been presented to the student. Pending the meeting, the Vice President of Student Affairs, (or designee) may modify the conditions of the emergency administrative action.

If a student appears to pose a risk of danger or disruption to the community or any individual,

emergency administrative action may be taken based on the recommendation from the College's Behavioral Intervention Team, including the removal of the individual from College premises by law enforcement. This action does not require an admission of responsibility on the part of the accused student.

Disciplinary Proceeding Process

1. The student will receive a written notice that the Office of Student Conduct has received a referral alleging a violation of a prohibition in the code of conduct, the nature of the charges against them, as well as the date, time and place of the disciplinary proceeding hearing. The timely notice will be provided 7 business days before the disciplinary proceeding hearing.

2. In the written notice, the student will be invited to participate in a voluntary process review meeting to go over the disciplinary process, the definition and supporting documentation of the allegation that was received and can ask questions related to the conduct process.

   a. During this meeting, if a student wishes to discuss their involvement in the alleged prohibitions, students must waive their right to self-incrimination. After discussion of the relevant information.

   b. Students who waive their right to a formal disciplinary meeting, and accept responsibility for violating the code, may move forward to an informal resolution meeting.

      a. If students participate in an informal resolution, they waive all their rights for the disciplinary proceeding hearing.

   c. Students who do not wish to discuss their involvement or do not agree with the allegations, may elect to proceed to a formal disciplinary meeting at any time during the process review or information meeting.

3. Five days prior to the disciplinary proceeding, students will receive access to a file with all information collected and a list of witnesses.

4. Students may elect to invite an advisor to their disciplinary meeting. Students who wish to invite a legal advisor or attorney through their process, must notify the Office of Student Conduct in writing 2 days prior to the disciplinary meeting.

5. After careful consideration of the information presented at the disciplinary proceeding hearing, the Hearing Officer or Panel will make a determination of whether it is more likely than not that a violation of the student code occurred. The student will receive the determination in writing no later than 7 business days after their process review meeting or disciplinary proceeding hearing.

6. In conjunction with this outcome, students will receive appropriate sanctions.

7. The person who submitted the conduct referral form will be notified of the outcome of the disciplinary proceeding meeting. At times, the Office of Safety and Security will also be notified of the outcome.

Appeals

Student appeals of a faculty member's actions are to be addressed according to Procedure 4.0300, Student Academic Concerns and Grade Appeals.

Student appeals of the disciplinary proceeding hearing are to be addressed according to steps outlined in this procedure:

1. The appeal must be made in writing within five college working days after notification of conduct sanction(s) is sent to the student's email address that is available in the College's database. The appeal must be sent to the Vice President of Student Affairs.

2. The decision on appeal by the Vice President of Student Affairs is final and shall constitute final agency action of the College.

Disciplinary Procedures for Gender Violence Violations

Gender based violence complaints for dating violence, domestic violence, harassment (sexual), sexual assault and stalking are handled as listed above but also include the following for the proceeding with the Conduct Officer. The College conducts a separate investigation for all Title IX

complaints, which is handled by Title IX Coordinator as outlined in Procedure 1.0601.

Re-Admission after Disciplinary Suspension

Students under disciplinary suspension may re-apply after the specified time-period identified in the suspension notice. A record of previous disciplinary action shall be admissible in subsequent disciplinary proceedings against the same student. Prior disciplinary information may be used for sanctioning purposes.

Want more info.? Contact us.

Seminole State College

100 Weldon Boulevard

Sanford, Florida 32773-6199

407.708.4722

Seminole State General Contact Information

Student Life

Campus Life

Campus Life is comprised of several departments that provide support, resources and programming for students and can be found in the Student Center, room 270. All campus activity events and clubs and organizations can be found at RaiderConnect at connect.seminolestate.edu.

Student Life

The Office of Student Life leads and directs student-centered programs at all four campuses.

- **Altamonte Springs (ALT-102):** 407.404.6143
- **Oviedo (OVF-108):** 407.971.5033
- **Sanford/Lake Mary (SC-270):** 407.708.2678

Leadership Programming

Student Life offers programming to support student leadership development in the form of retreats, institutes and conferences as well as club and organization training.

Student Activities

Student Activities are offered throughout the year in many different formats including hosting welcome back week activities, drug and alcohol awareness programs and comedians and novelties. Student Life aims to engage students with entertaining and educational programming.

Community Service/Service Learning

Students can volunteer in community-organized projects through the Office of Student Life. Students committed to improving our community can participate in service learning projects and learn about issues, the benefits of volunteering and the impact their actions have made.

Clubs and Organizations

Seminole State Student Life hosts more than 50 clubs and organizations that serve the diverse interest of students. A detailed listing of all clubs and organizations is available at Raider Connect. RaiderConnect is an online student engagement platform that lists student clubs, events and other involvement activities.

Student Leadership Opportunities

Student Government Association (SGA)

SGA provides Seminole State students with a representative form of government. Acting in unison with the College, the SGA may promote, regulate and coordinate activities that impact the entire community and help the College create a learning environment inside and outside the classroom that increases the chances that students will succeed at Seminole State College.

SGA meeting times are as follows:

- **Altamonte Springs Campus:** Thursdays at 12:30 p.m. in room ALT-214
- **Oviedo Campus:** Tuesdays at 12:30 p.m. in room OVF-108
- **Sanford/Lake Mary Campus:** Mondays at 12:30 p.m. in room SC-185

All college credit and career program students are welcome to attend.

Campus Activities Team

The Campus Activities Team is a group of student leaders dedicated to making the college experience for all Seminole State students engaging, memorable and fun. Team members plan and implement entertaining and educational programming at the Altamonte Springs, Oviedo and Sanford/Lake Mary campuses. To enhance the overall college experience of Seminole State students, the Campus Activities Team works to facilitate a variety of campus entertainment and activities.

Seminole State Volunteers

The Seminole State Volunteers Leadership Team is a group of selected student leaders who help promote and organize College-wide service events while developing their personal and professional skills. Students interested in being part of the Seminole State Volunteers Leadership Team can find more information at their campus' Office of Student Life.

Intramural Sports

Intramural Sports offer sports opportunities within

the College community. Sports include flag football, basketball, soccer, volleyball, kickball, ultimate disc, and table tennis as some examples. While most intramural leagues are based on the Sanford/Lake Mary Campus, the intramural sports department hosts events on all our campuses. All event dates and activities can be found in RaiderConnect at connect.seminolestate.edu.

All current students, faculty and staff are eligible to participate in these fun, organized competitive sports, regardless of the campus where they attend class or work. Opportunities are available for students to participate in all phases of the Intramural Sports Program, including planning, organizing, competing and officiating. Seminole State College is a member of (NIRSA) the National Intramural-Recreational Sports Association. For more information, visit the Intramural Sports website or call 407.708.2091.

RaiderCenter

The college's Athletic offices and fitness center can be found at the Sanford/Lake Mary campus. The fitness center is free and open to all students, faculty and staff where they can participate in group classes and exercise using the cardio and weight machines as well as the free weight area. Visit the wellness website at https://www.seminolestate.edu/wellness.

First Generation Freshmen

The First Generation Freshmen Program provides scholarships, mentoring and other assistance to first-generation students to help them achieve their goals. Approximately 50 students are selected each academic year for this need-based program. First Generation Freshmen Program students receive a scholarship of $1000 per semester (Fall and Spring terms) for two years to attend Seminole State. The First Generation Freshmen Program also helps students transition to college while providing a sense of community on campus through shared classes. Students are also offered tutoring, mentoring, field trips and assistance with financial planning and budgeting.

To qualify, students must:
- Be identified as a first-generation college student (neither parent has received a bachelor's degree);
- Be identified as a first-time-in-college student (have not previously attended college);
- Demonstrate financial need (as determined by the FAFSA);
- Agree to participate in cohort activities per semester.

The First Generation Freshmen Program is provided in part by
a generous gift from Wayne M. Densch Charities. For more information, visit the First Generation Freshmen website
or call 407.708.2897.

Student Services

Student Success Specialists

A Student Success Specialist is the first point of contact to assist and guide students at Seminole State. Specialists are available on all four campuses to help students from when they first inquire about the College through graduation. They are cross-trained to handle the majority of transactions including admissions, financial aid, registration and records and basic advising services. Specialists develop positive partnerships with students to foster their academic progress and to help them have a successful college experience.

Student success specialists are available to help with information regarding admissions, financial aid, records and registration and basic advising inquires 8:30 a.m. – 6 p.m. Monday-Thursday and 9 a.m.– 4:30 p.m. Friday. **Email:** onlineadvisor@seminolestate.edu
Text: 407.708.2800

Academic Advising and Counseling

Counselors, Educational Advisors, Career Program Advisors, and Student Success Specialists play an integral role in empowering students to achieve success by actively supporting their educational goals from admission to the completion of their declared program of study. Upon admission to the College, students are assigned a dedicated educational advisor based on the student's educational pathway. The following services are offered on all Seminole State campuses:

- **Academic Advising:** Includes the interpretation of test results and information on program requirements, assistance with course selection, explanation of college support systems and assistance with career planning, study skills, educational planning and graduation audits.
- **Educational Planning:** Developing an educational pathway is a partnership between the student and their assigned educational advisor. This pathway ensures that students are able to accomplish their educational and professional goals in a personalized, individualized and efficient manner.
- **Career Planning:** Educational Advisors serve as conduits to aligning class curriculum, educational pathways, and professional goals to ensure that the career aspirations of all students are accomplished in a seamless, integrated manner.
- **Mental Health Counseling:** Includes the ability to assist students when the stress of personal problems hinders academic achievement. Assistance can be provided for such personal issues as anxiety, depression, interpersonal relationships, stress, grief, self-esteem and more. Students may schedule individual appointments. Counseling contacts are kept confidential. Seminole State College of Florida partners with Aspire Health Partners to provide counseling services to currently enrolled students.

Faculty members are encouraged to refer students who may need these services to the counseling staff. Workshops on study skills techniques, test anxiety and learning styles are also available to assist students in developing the required skills to be successful in completing their courses. For additional details visit the Academic Advising and Counseling website.

Academic Success Center (Tutoring)

Seminole State's Academic Success Center (ASC) provides tutoring for all currently enrolled students to enhance the instruction presented by Seminole State's faculty.

Academic Success Center staff support students with a variety of subjects, and the centers are equipped with an open computer lab. Online tutoring services are available to all currently enrolled students through the ASC Online Tutoring Canvas site. ASC tutoring services are available for accounting, biological/physical sciences, computer applications, mathematics, foreign languages, writing , and more.

Campus	Locations	Phone Number
Altamonte Springs	ALT-220	407.404.6050
Heathrow	HEA-338	407.708.4415

Campus	Locations	Phone Number
Oviedo	OVE-200	407.971.5044
Sanford/Lake Mary	L-200	407.708.2102

Athletics

The Raiders are your team! As a student of Seminole State, you help support the five teams that participate in intercollegiate athletics and are members of the National Junior College Athletic Association. You are invited to any and all home games, and you receive free entry. So if you enjoy Women's and Men's Cross Country, Baseball and Softball, or like to watch the three-time National Champion Women's Golf Team, Raider student athletes love your support.

To follow all the games, stories and information about Raiders Athletics, check out SSCRaiders.com. On social media, you can follow or friend @buildingRaiders on Twitter and Facebook.

If you are interested in working in college athletics, contact Director of Athletics, Kurt Esser. esserk@seminolestate.edu

For more information call 407.708.2090.

Disability Support Services

Seminole State's Disability Support Services (DSS) Office serves as an advocate for students with disabilities and provides academic support services such as interpreters, note-takers, and testing accommodations. DSS coordinates services with area agencies and collaborates with College departments to help faculty and students create a positive learning environment. DSS also suggests strategies that can be used to make the classroom user-friendly and help students understand their rights and responsibilities.

By law, students who have disabilities are not required to identify themselves as having a disability. Although encouraged to register with DSS immediately upon entrance to Seminole State, it is not uncommon for students to forgo seeking assistance until they experience difficulties with coursework.

To be eligible for disability-related services, individuals must have a documented disability as defined by applicable federal and state laws. Services are available to students whose disabilities include, but are not limited to, hearing impairments, physical impairments, specific learning disabilities, speech impairments, visual impairments or other disabilities that require administrative or academic accommodations. Individuals seeking services are required to provide recent documentation from an appropriate licensed professional qualified to make a diagnosis.

Students who have a disability that may require special assistance must contact DSS, make an appointment for an intake interview and bring appropriate disability documentation verifying the disability. Reasonable accommodation requests must be supported by current documentation. All information is confidential and will be used only to assist the student.

Steps necessary to register for services and receive academic accommodations:

1. Contact and meet with a DSS specialist at any of the Seminole State College campuses. Students should contact the DSS office at their preferred campus to schedule an intake appointment.

2. Complete the self-assessment and DSS accommodation questionnaire and release of information form.

3. Provide up-to-date, current documentation from a licensed professional (see documentation guidelines on the **Disability Support Services website**). The appropriate clinical documentation should substantiate the disability and present evidence to establish a rationale supporting the need for accommodations. A school plan such as an Individualized Education Program (IEP) or a 504 plan is insufficient documentation in and of itself but can be included as part of a more evaluative report.

4. After documentation is evaluated, contact and meet with the DSS specialist to discuss any accommodations that may be necessary. DSS will make the final determination of whether appropriate and reasonable accommodations are warranted and can be provided to the individual based on the information received.

Until all steps of the registration process have been completed, the student will be considered pending with DSS and will not be eligible for services or accommodations. The student may, however, begin the process again at any time.

Substitutions to the Degree Requirements

Course substitutions will be considered for those students who have documented disabilities. Per Revised Board Rule 6A-10.041 (effective 10/25/10), documentation must "substantiate that the disability can be reasonably expected to prevent the individual from meeting requirements for...graduation."

Course substitutions will only be granted in cases where the modification does not constitute a fundamental alteration in the nature of the college program or when the academic requirement(s) are not essential to the program of study being pursued by the student or to meet licensing or certification requirements.

Students requesting a course substitution must provide the current, relevant and comprehensive documentation and assessment data from certified

professionals. This documentation must substantiate that the disability can be reasonably expected to prevent the student from meeting the degree requirement(s) for which a substitution is being requested.

Additional information is available in College Procedure 3.0600, Accommodations for Students with Disabilities.

Contact Information

Campus	Location	Contact
Altamonte Springs	ALT-108	407.404.6005
Heathrow	HEA-115	407.708.2110
Oviedo	OVF-102D	407.971.5114
Sanford/Lake Mary	SC-130	407.708.2109 407.708.2110 407.708.2482 407.708.2505 407.708.2460

First Generation Program

The First Generation Program is dedicated to supporting incoming first-time-in-college, first-generation students at Seminole State College of Florida. The First Generation Program provides academic advising, financial aid assistance, student programming and activities, peer mentoring, and other resources to help first-generation students achieve their goals.

Approximately 75 students are selected each academic year for the Wayne M. Densch First Generation Scholarship Program. This need-based program provides students with scholarship of $750 per semester (Fall and Spring terms) for two years to attend Seminole State.

To qualify for the Scholarship Program, students

must:

1. Be identified as a first-generation college student (neither parent has received a bachelor's degree) seeking an AA degree;
2. Be identified as a first-time-in-college student (have not previously attended college);
3. Demonstrate financial need (as determined by the FAFSA);
4. Agree to participate in cohort activities per semester.

The First Generation Scholarship Program is provided in part by a generous gift from Wayne M. Densch Charities. For more information, visit the **First Generation Program website** or call 407.708.2897.

Library Resources and Services

The Seminole State College libraries are committed to maintaining an ongoing environment of open inquiry and intellectual freedom, providing excellent service and utilizing new technologies. The following library services are available to all students currently enrolled at Seminole State College. They are designed to meet the needs of campus and eLearners, those pursuing an associate or bachelor's degree, as well as UCF's regional campus at Seminole State.

- Each campus has a physical library available for the use of students, faculty, staff and visitors. We also provide support and services to online and distance learners with a comprehensive collection of ebooks, ejournals and databases. To search the library's collections go to the Library Search Engine.
- Current students, faculty and staff can use their college network account to access library databases, ebooks and their library account. You can view more information about these services on the Access and Borrowing web page.
- Librarians provide group instruction and individual consultation on how to develop a research strategy and effectively locate and use resources.
- All campus libraries are also equipped with computer labs, as well as with Wi-Fi and laptop computers that may be checked out

at the information services desk for use in the library. Study rooms are available to be reserved online at Altamonte, Oviedo and Sanford/Lake Mary.

- ◦ Materials may be requested for delivery between all four library collections, generally within 24-48 hours. The Interlibrary loan service provides students, faculty and staff access to books and journal articles from other libraries within the state and throughout the country that are not part of the Seminole State library collection.
- ◦ Hours of operation, locations and library services are available on the library's website.
- ◦ If you need assistance with any of the services listed above you can contact the library by phone, in person, email, or from the chat window on the library website. Tutorials and research guides are also available.

STAR Center

The Student Transition and Achievement Resources (STAR) Center at Seminole State College is a service to students enrolled or desiring to become enrolled in Seminole State's career and professional degree and certificate programs. The STAR Center provides open entry, open exit applied academic instruction that enables students to acquire the minimum skills required for the Test of Adult Basic Education and helps certificate and Associate in Science (A.S.) degree-seeking students develop the academic skills they need to succeed in college and in their careers.

With the STAR Center, students can:

- Acquire the basic academic skills needed to enter specific career certificate and technical certificate programs (A.S. and previously PSAV);
- Utilize a range of learning resources to achieve success in Seminole State's A.S. and Career certificate programs;
- Access a variety of nursing exam study guides (TEAS, NCLEX, Dosage Calculations);
- Receive tutoring for career and professional programs such as Automotive Service Technology, Emergency Medical Services, Fire Fighting and Law Enforcement;
- Improve test-taking, time management and study skills.

Seminole State's STAR Centers are located on the following campuses:

- **Altamonte Springs Campus:** Room 220B
- **Sanford/Lake Mary Campus:** Room L-203

For more information about the STAR Center, call 407.708.2102.

Veterans' Services

The Veteran Student Services Office serves as an advocate and liaison between Seminole State College, its students, and the various federal, state, and local agencies concerned with veterans' benefits. We want to make sure that veterans and dependents are successful.

Our office serves over 500 Active Duty, Reservists, National Guard Members, Veterans, and their family members. We are here to help these students with their educational journey.

Seminole State offers GI Bill$^{®}$-eligible programs for veterans and their dependents under current federal laws. Procedures for admission to the College and registration for classes are the same as followed by all students. Seminole State also participates in the DoD MOU program.

Location and Information: The Veterans Student Services Office is located on the Sanford/Lake Mary Campus in the Student Center Building, Room SC-266. The Office provides the following information and assistance:

- Application for educational benefits and obtaining a certificate of eligibility;
- Certification of approved classes;
- VA deferment of tuition and fees;
- VA-funded tutorial assistance;
- Veterans' special needs.

The U.S. Department of Veterans Affairs determines eligibility for veteran and dependent benefits. Your military status will determine the benefit programs for which you may be eligible.

College and Student Responsibilities: In accordance with Title 38 US Code 3679 subsection (e), Seminole

State College adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Readiness & Employment (Ch. 31) benefits, while payment to the institution is pending from the VA. This school will not:

- Prevent the student's enrollment;
- Assess a late penalty fee to the student;
- Require the student to secure alternative or additional funding;
- Deny the student access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Produce the VA Certificate of Eligibility (COE) or VA Statement of Benefits by the first day of class;
- Provide a written request to be certified by filling out a Certification Request Form (CRF);
- Provide additional information needed to properly certify the enrollment as described in other institutional policies

If a veteran has not previously applied for VA educational benefits, the following should be sent to the College's Veterans Student Services Office:

- A copy of the Certificate of Eligibility (COE) from the VA;
- A copy of each DD Form 214 (Certificate of Release or Discharge from Active Duty-if applicable);
- Certified copies of marriage certificates, divorce decrees, children's birth certificates and/or any other papers reflecting dependent status (if applicable);
- A copy of the DD Form 2384-1 (Notice of Basic Eligibility - NOBE) signed by the Reserve or National Guard Unit (if applicable).

Agencies available for assistance are the Seminole County Veterans Services Office in Sanford and the Veteran Affairs Regional Office in Muskogee, OK.

Veteran Deferment: According to Florida law, any eligible veteran or eligible dependent receiving benefits under Chapters 30, 31, 33, 35, or 1606, Title 38, United States Code, is entitled to a 60-day deferment of matriculation or registration fees each academic term of enrollment, provided that the period of deferment does not exceed the number of days of the term or course for which the student is registered. The deferment of fees shall begin the first scheduled day of classes in any term and all deferred fees must be paid in full within 60 days or by 10 days prior to the end of the term, whichever period of time is less. Eligible students desiring to exercise this right should contact the College Veteran Student Services Office.

Satisfactory Academic Progress: Veterans and/or dependents eligible to receive VA educational benefits must be aware of current Veteran Administration regulations and the Standards of Progress that apply. The following are of specific concern to those students who desire VA Enrollment Certification:

- Satisfactory progress must be maintained according to the Seminole State's Standards of Academic Progress. If a student fails to meet these requirements and is placed on Academic Suspension, his/her benefits will be terminated. To reinstate benefits, the student may:
  - Re-apply for certification once his/her GPA and academic standing meets the requirements for certification eligibility, or
  - Petition to enroll while on academic suspension through their assigned educational advisor. If the petition is approved, the student is required to re-certify his/her benefits with Seminole State's Veteran Student Services Office.

- Certification is not made for any course taken that does not directly apply to the program authorized by the VA.
- Certification is not made for any course previously completed with a passing grade.
- VA payments are not authorized for any course in which the veteran receives a grade of W (withdraw), X (audited) or N (no credit). A student who receives a grade of I (incomplete) must complete the coursework with the instructor during the first 30 days of the following term, otherwise a grade of "F" is assigned and the VA Office is notified.

- VA payments/course certifications cannot be processed for developmental courses taken by students classified as "Exempt" for placement proficiency.
- Only "Resident" (on campus) offered developmental courses can be certified for students classified as "Non-Exempt" for placement proficiency.

Course Substitution for Veterans: Substitution of unrelated courses outside the certified major must be in accordance with Seminole State policy and procedures.

The following conditions must be met by the school if a course substitution is made by students receiving VA educational benefits:

- Document condition for allowing substituted course for original and substituted course;
- Ensure that the substituted course is made prior to the veteran's completion or registration for the term in which the substituted course is to be taken, not to include add/drop period;
- Place copies of all material related to the veteran's substituted course in their school records;
- Ensure that the substitution complies with the Seminole State course substitution procedure.

Veteran Course Selection: An educational program selected by a veteran must be complete in that it must include all training needed to reach the stated objective. It must be generally accepted as being required for the attainment of the selected objective. Questions regarding any veteran policy should be directed to the Veteran Student Services Office.

Veterans' Attendance Policy:

- **College credit courses**
  - Records of attendance may be maintained to determine the last day of attendance for partial or complete withdrawals.
  - Veterans may be withdrawn from a course when their lack of attendance precludes any possibility of satisfactory course completion. Initiation of a withdrawal shall be consistent with the instructor's policy regarding attendance for all

students.
  - A veteran may be recertified in a class when the instructor determines the absences will not jeopardize the veteran's ability to satisfactorily complete the courses in the prescribed time period.

- **Career/Technical Certificate Programs**
  - VA educational benefit recipients who register in Career/Technical Certificate Program courses and accumulate three days of unexcused absences within a calendar month for which they have received VA certification will have this certification adjusted or terminated for lack of attendance.
  - A student may be recertified in the program when the instructor determines the absences will not jeopardize the student's ability to satisfactorily complete the course in the prescribed time period.
  - Students have the right of appeal through the College Petitions Committee when they feel the circumstances warrant such action.
  - VA regulations require veterans' withdrawals to be submitted promptly and that the last date of attendance be recorded on the withdrawal form.

To comply with VA attendance regulations, instructors should initiate a withdrawal as soon as it can be determined that the student is no longer attending or is unable to complete the course requirements because of poor attendance.

Career Center

The Career Center is an essential component of Seminole State's Student Affairs Division and seeks to provide opportunities for students to connect with mentors, professionals, recruiters and the community. The Career Center offers student assistance and resources in the following areas:

Career/Major Exploration

The supportive Career Center staff assists students and alumni with career and professional development activities and individual career coaching at all campus locations. Students have access to career assessments and information about

degree programs and career fields. The Career Center provides resources to help students research careers, majors and transfer options. Many of these resources are available on the **Career Center website**.

Gaining Experience

Handshake - Job Listings

Through Handshake, the Career Center also provides job/internship opportunities, social networking, online mock interview options and career-related information. Job listings come from private employers, non-profits and local, state and federal government agencies.

Internship Program

Seminole State partners with the business community to offer opportunities that are designed to integrate formal academic study with practical work experience. Through these experiences, students can earn credit(s) toward their degrees or certificates while working full- or part-time in positions related to their academic and career goals. Interns earning college credit/transcript notation

are assigned to Seminole State faculty members who help them define goals, develop learning contracts and evaluate outcomes.

Employability Skills Training and Employer Recruiting/Networking Activities

Professional Development

Additionally, the Career Center staff provides training on employability skills, such as networking, resumé writing, cover letters and interviewing. These skill sessions are scheduled during the fall and spring academic semesters and are available to student organizations and through classroom presentation by completing an **outreach request** online.

Employer Recruiting/Networking Activities

The Career Center manages on-campus recruiting for employers. To further aid in the transition of Seminole State students into the workforce, the Career Center sponsors career fairs, information sessions and programming that attract businesses, public agencies and community organizations.

Specialized Academic Programs and Services

Center for Business Development

The Center for Business Development focuses on developing and enhancing Seminole County's business community. The center offers the following programs:

- **Small Business Development Center (SBDC):** The SBDC provides free, one-on-one consultation to small business owners and pre-venture clients. The SBDC, which has offices at the Port of Sanford, the Oviedo and Heathrow campuses, also offers seminars on a variety of business issues. For more information, call 407.321.3495.
- **Rental Office Space for Seminole County Small Businesses:** Located at the Port of Sanford (just off I-4 near the Central Florida Zoo), the Center for Business Development offers affordable office space for rent to Seminole County small businesses. With a variety of sizes, this location is ideal for a small business on a budget looking to transition from their home office into a professional setting. For more information, call 407.321.3495 or Apply Here

- **Foundations of Excellence:** The Foundations of Excellence Business Acceleration Program is an intense business accelerator program designed to take second stage companies to their next level of growth. This program is designed with a six-pillar system to include the fundamental building blocks of a successful business. Foundations of Excellence Brochure.
- **Workforce Quick Response Training Grants (QRT):** The Center assists qualified firms with the application and delivery of workforce training grants. Expanding businesses may be eligible for grants to help them train their employees. The Center works with these companies to determine which grants may be appropriate and, if needed, to develop a training program. For more information, call 407.321.3495
- **Entrepreneurial Education:** The Center offers programs to help individuals attain economic independence by advancing educational achievement and entrepreneurial success.
- **Women's Entrepreneur Program:** Programming and events focused on the issues facing women-owned businesses and include education, technical assistance, networking, mentorship, leadership development, and more.

Corporate College and Professional Development

Students and community members who wish to begin a career, update their current professional skills, fulfill mandatory continuing education requirements, optimize employee performance or enhance their businesses will find courses that address their needs at the Seminole State Corporate College. Professional development programs, short courses, conferences and seminars provide participants who are employed in various occupations with up-to-date information and skills. In some cases, these offerings may satisfy the mandatory requirements for re-licensure and recertification within a particular field. The Corporate College provides most of its offerings online.

For more information, visit the Continuing Education website.

eLearning

eLearning provides students with learning opportunities outside the traditional classroom setting. Depending on program requirements, students may be able to complete many of the required courses and even entire degree programs online.

Seminole State eLearning offers three types of courses:

- **Online courses:** Learn fully online on your own schedule. You do not need to log in to class at a specific time, but you do need to submit assignments and complete exams as required by your instructor.

NOTE: Although these courses are online, some instructors may require proctored assessments of synchronous online activities. These requirements will be noted in the online course syllabus and in the class notes listed in the schedule of classes.

- **Hybrid courses:** Hybrid classes combine online or remote video instruction with face-to-face classes on campus on specific days and times.
- **Remote course**: Remote classes meet virtually via live video for lectures and discussion. Students attend virtual classes on set days and times. Other classwork is submitted online.

Instructors may require the use of Canvas to access resources or to submit assignments for any class, regardless of modality. Zoom may also be required to facilitate office hours, host help sessions outside of the scheduled class time, or to collaborate in group projects.

Good time-management skills, motivation and self-discipline are essential for success in any distance learning environment. Seminole State recommends that students speak with an academic advisor before registering for an online course. eServices - Seminole State's team of student success specialists are available to provide online advising services to help you plan, begin and successfully complete your educational goals.

For more information visit the eLearning website.

State Authorization

Seminole State College seeks to deliver many of our online programs in a student's home state. The State Authorization and Reciprocity Agreement (SARA) is a voluntary agreement that allows states and institutions to offer distance education in other participating states so long as the institution adheres to certain quality and consumer protection standards.

As a SARA approved institution, we work to ensure that when authorization is necessary, required approvals are obtained. While we do monitor laws in each state, authorization of distance education is a dynamic environment and prospective students should check the **eLearning website** for updates. Seminole State College is currently authorized,

licensed, registered, exempt or not subject to approval in all states, except for California.

It is the student's responsibility to understand current circumstances or special requirements in their state of residence. Though SARA authorizes Seminole State to offer its online programs in member states, there is the possibility that other state requirements not covered by SARA (e.g. state licensing boards) could necessitate restriction of access to certain programs in certain states.

Please note that should you choose to enroll in a program in a particular state, there may be restrictions that could affect you. Examples may include:

- You may be unable to sit for local licensing in that state.
- You may be ineligible for consumer protection in that state.
- You may not be able to complete field placements (practicum, internship, clerkship, etc.) in that state.

Any of the above listed items could affect licensure or recognition of the degree to meet requirements in that state. Therefore, if you decide to enroll in any of Seminole State's programs, or if you move to a state where your program is restricted prior to completion of your studies, please be aware that you are taking a risk that you may not be able to complete or use any of the credit earned in that program should you decide to pursue licensing in that field in that state.

Note: The points listed above are not exhaustive. Please verify with your state's professional licensing board that your plans for study are not impacted.

Out-of-State Student Online Course Complaint Processes

Seminole State College strives to provide students with a robust educational experience. Students wishing to file a complaint about an online course or program should file a complaint following the applicable complaint processes linked here.

Out-of-state distance education students participating under SARA who have completed the internal institutional grievance process and the

applicable state grievance process may appeal non-instructional complaints to the FL-SARA PRDEC Council. For additional information on the complaint process, please visit the FL-SARA Complaint Process page.

Disclosure - Programs Leading to State Licensure:

Seminole State is a member of the National Council for State Authorization Reciprocity Agreement (NC-SARA). As a NC-SARA institution, Seminole State is authorized to provide distance education (including online education) to students in any other SARA state. So, NC-SARA membership allows Seminole State to offer you online and distance education programs even though you reside outside of the State of Florida.

Seminole State's programs, for example Nursing, are designed to meet the licensure requirements for the State of Florida. Your state may or may not have similar licensure requirements, and our programs may or may not meet the licensure requirements of your home state. For more information on licensure in your state, please contact the applicable licensure office to make sure your enrollment in Seminole State's program will fulfill the requirements for licensure.

Honors Institute

The Grindle Honors Institute offers a stimulating academic environment for students who want to enrich their academic experience. The program offers the following benefits to students:

- Matching students with outstanding faculty instructors in small course settings that foster collaboration, discourse and engagement;
- Developing critical thinking skills with an emphasis on academic writing and research;
- Complementing the classroom experience with co-curricular programming that promotes leadership, service and scholarship;
- Providing high levels of mentoring, advising and development through individualized attention throughout a student's program of study;
- Preparing students for transfer, career success and competition for undergraduate fellowships and awards.

The following programs are available:

- Honors Diploma
- Honors in the Major

Honors Diploma and Honors Certificate

The Honors Diploma Program is an 18-credit curriculum that offers qualifying students a unique academic opportunity to broaden and enrich their college experiences. Students who complete the program graduate with an Associate in Arts Honors Diploma.

Program Admission

This is a limited-access program. Interested students must first be admitted to Seminole State before becoming eligible to apply to the Grindle Honors Institute. The dates for application may vary. Students should be aware that acceptance to the College does not guarantee admission to the Honors Program. Candidates must submit a completed Honors Institute application for consideration. Incomplete applications will not be considered.

Seminole State's Honors Diploma program is available for students seeking an Associate in Arts degree who meet the following qualification:

- Grade Point Average (GPA) - Students must have a minimum 3.4 high school cumulative GPA or a minimum 3.4 cumulative GPA in at least 6 hours of college credit courses.

Admission for Dual Enrollment Students

All SSC Honors courses are open to dual enrollment students who have a 3.4 cumulative GPA or higher. If a dual enrollment student matriculates at SSC after high school graduation, all Honors Program courses completed with a grade of "C" or higher will count toward the requirements for graduation from the Honors Program.

Honors in the Major

The Honors in the Major Program is a nine-credit curriculum designed to encourage students to explore their major disciplines in greater depth by completing a research or applied project, and the program is open to all qualified baccalaureate students in select academic programs. Students

completing the requirements for Honors in the Major engage in valuable preparation for graduate and professional training and learn worthwhile skills that will benefit them in the workplace.

Program Admission

This is a limited-access program. Interested students must first be admitted to Seminole State before becoming eligible to apply to the Grindle Honors Institute. The dates for application may vary. Students should be aware that acceptance to the College does not guarantee admission to the Honors Program.

Seminole State's Honors in the Major program is available to baccalaureate students who have a minimum 3.5 major GPA. Candidates must submit a completed Honors Institute application for consideration. Incomplete applications will not be considered.

For more information, contact the Honors Institute, L-230, phone: 407.708.2600 or honors@seminolestate.edu.

Phi Theta Kappa

Phi Theta Kappa is the International Honors Society for two-year colleges. The Pi Lambda Chapter at Seminole State College has won numerous honors, including the coveted "Distinguished Chapter Award" and it is one of the most active organizations on campus. Students from any discipline with a GPA of 3.5 or higher and 12 college credits are invited to join. After joining, students must maintain a minimum 3.2 GPA to maintain membership. Contact the Honors Institute, L-230 at 407.708.2600 for more information.

STEM Certificate/Advanced STEM Certificate

Students who desire a STEM Certificate or Advanced STEM Certificate should meet with the STEM Certificate Coordinator. They must also take at least eight science/math courses (seven required courses and one elective course) that follow one of three tracks:

- **Track A:** Biology, Health or Pharmacy/ Preprofessional
- **Track B:** Mathematics, Actuarial Science,

Chemistry or Physics
- **Track C**: Engineering

Students must also take two semesters of seminar courses, which may be any one or two of the science seminar courses which focus on research, science careers or environmental issues in alternating semesters and/or Engineering Concepts and Methods and/or Intro to STEM Research.

These courses provide a diverse and strong educational foundation in lower-division coursework for students who plan to major in the hard sciences or the health, mathematics or engineering fields. Successful completion of the required courses result in less time spent at the university and a higher probability of admission to limited-access programs. Scholarship money may be available to students who qualify and some universities also provide scholarships for Seminole State STEM Certificate transfers.

- **A STEM Certificate** is awarded to those students who complete the eight science and math courses and the two science seminars with a GPA of 2.0-3.19 in those courses.
- **An Advanced STEM Certificate** is awarded to those students who complete the eight science and math courses and the two science seminars with a GPA of 3.2 or higher in those courses.

Track A: Biology, Health or Pharmacy/ Preprofessional

Required courses:
- General Biology I (BSC 2010C)
- General Biology II (BSC 2011C) OR Organic Chemistry (CHM 2210C)
- General Chemistry I (CHM 2045C)
- General Chemistry II with Qualitative Analysis (CHM 2046C)
- General Physics I (PHY 1053C)
- General Physics II (PHY 1054C)
- Analytic Geometry and Calculus I (MAC 2311)
- Science Seminar (two semesters) or Science Seminar (one semester) and Intro to STEM Research

Track B: Mathematics, Actuarial Science, Chemistry or Physics

Required courses:

- Analytic Geometry and Calculus I (MAC 2311)
- Analytic Geometry and Calculus II (MAC 2312)
- Analytic Geometry and Calculus III (MAC 2313)
- General Chemistry I (CHM 2045C)
- General Chemistry II with Qualitative Analysis (CHM 2046C)
- Physics with Calculus I (PHY 2048C)
- Physics with Calculus II (PHY 2049C)
- Science Seminar (two semesters) or Science Seminar (one semester) and either Intro to STEM Research or Engineering Concepts and Methods

Track C: Engineering

Required courses:

- Analytic Geometry and Calculus I (MAC 2311)
- Analytic Geometry and Calculus II (MAC 2312)
- Analytic Geometry and Calculus III (MAC 2313)
- General Chemistry I (CHM 2045C)
- Engineering Analysis - Statics (EGN 2312) OR Probability Statistics for Engineers (EGN 2440)
- Physics with Calculus I (PHY 2048C)
- Physics with Calculus II (PHY 2049C)
- Science Seminar (two semesters) or Science Seminar (one semester) and Engineering Concepts and Methods EGN 1007 (one semester)

Elective Courses (Specific electives recommended based on major)

Choose any **one** upper-level course:

- Analytic Geometry and Calculus II (MAC 2312)
- Analytic Geometry and Calculus III (MAC 2313)
- Anatomy and Physiology I (BSC 2093C)
- Anatomy and Physiology II (BSC 2094C)
- Elementary Differential Equations (MAP 2302)
- Engineering Analysis - Dynamics (EGN 2322)
- Engineering Analysis - Statics (EGN 2312)
- Microbiology (MCB 2010C)
- Organic Chemistry I (CHM 2210C)
- Organic Chemistry II (CHM 2211C)
- Physical Geology with Lab (GLY 2010C)
- Probability Statistics for Engineers (EGN 2440)
- Statistical Methods I (STA 2023)
- Surveying (SUR 2101C)

For more information, call the Honors Institute at 407.708.2335 or the STEM Certificate coordinator at 407.708.2208.

Workforce Development

The American workplace is undergoing a rapid evolution which is affecting the way people work, how they are prepared for today's workforce and how they are educated throughout their careers. A common goal for education and business has emerged: a strong educational foundation that combines general education with specific professional and technical coursework best prepares the workforce for today's careers. Continuing education provides professionals the means to remain current with industry changes and emerging technologies. It also supports continued success and ensures the strength of the regional economy. As a full partner in achieving this goal, Seminole State College is leading the way in the Central Florida workforce development movement.

Seminole State has long been a leader in the traditional workforce development programs, offering associate degrees, technical certificates, continuing education courses and customized training courses for specific businesses. However, the College's vision has grown. Seminole State now collaborates with local businesses and organizations to leverage private, state and federal resources redirected into educating employees for Florida's targeted high-skill, high-wage occupations.

Additionally, Seminole State offers a seamless educational experience from adult basic skills to certificate or degree programs which provide the opportunity for entry into the local workforce or continuing toward a bachelor's degree at Seminole State or one of Florida's state universities.

In response to the rising expectations and credentials required by today's businesses and industries, Seminole State now offers a wide variety of bachelor's degree programs. Each degree program was developed through close collaboration with our industry partners and active advisory committees.

English for Speakers of Other

Languages

English for Speakers of Other Languages (ESOL) classes are designed to provide English language training for speakers of other languages for life and work skills and basic education study. They also focus on helping students create educational plans, search for employment, obtain a better job and become engaged and informed citizens.

Seminole State offers intensive ESOL courses in the morning and non-intensive ESOL courses in the evening on the Altamonte Springs, Oviedo, and Sanford/Lake Mary campuses and Saturday classes on the Altamonte Springs campus. ESOL College and Career Readiness (ESOL CCR) classes are offered to ESOL students testing above the advanced level. ESOL CCR classes provide students with language instruction focused on career and education planning, digital literacy, and workforce preparation activities. Classes range from four to sixteen hours per week, depending on the program selected. Courses are full semester in length with specific enrollment periods. Students study in one of six levels of English proficiency based on scores from the CASAS placement exam given by Seminole State.

Admission

Students apply for ESOL classes by contacting one of the ESOL Student Services representatives on the campus of their choice:

- **Altamonte Springs Campus:** 407.404.6002
- **Oviedo Campus:** 407.971.5016
- **Sanford/Lake Mary Campus:** 407.708.2416

To qualify, applicants must be:

- 17 years of age or older;
- U.S. citizens, U.S. permanent residents, refugees or holders of other qualifying immigration documentation.

Residency and Fees

All qualifying students pay a $30 state-mandated fee upon initial registration in any semester.

English Language Institute

The English Language Institute (ELI) at Seminole State College is a 7-level, non-credit program designed for non-native speakers of English who wish to improve their English to meet their academic or personal goals. ELI students study on the Sanford/Lake Mary Campus, Monday-Thursday from 9:00-2:00. For current tuition information, please visit the ELI website .

Admissions

For detailed admission information and requirements, ELI applicants should visit the ELI website. All application materials are submitted by email directly to the ELI office.

The ELI accepts full-term students on F-1 international student visas as well as short-term students with other non-immigrant visas, U.S. residents, and citizens.

F-1 students are required to study a minimum of 18 hours per week for at least one full semester. Continuing students must complete two full semesters before taking an annual break. Entry dates are August, January, and May. Students on F-1 visas must purchase health insurance from the College's provider prior to enrolling in classes and maintain coverage throughout the year. F-1 students who wish to transfer from another language program must apply and fill out a transfer form, available on the ELI website.

Non-F-1 students may study up to 16 hours per week for a minimum of one month. Entry dates are monthly, January-November; application and registration may be completed up to one week before classes begin. Health insurance is not required. Application materials and information can be found on the ELI website.

English for Academic Purposes

English for Academic Purposes (EAP) courses are college credit preparatory and elective credit courses specifically designed to prepare students who are speakers of other languages for higher education or professional development. Students must apply to Seminole State College and are assessed to determine their levels of English language proficiency.

Students who have studied high school outside the United States or have studied ESOL in high school are assessed to determine their levels of English

language proficiency. Students whose proficiency is lower than that required for ENC 1101 are placed into English courses based on the results of placement tests and a writing sample. Once students begin the EAP course series, they must complete the entire sequence of courses within the skill area indicated. Upon completion of each skill area sequence, students take departmental exit exams to complete the EAP program and qualify for other college courses.

EAP course descriptions are available in the course descriptions section of this catalog. Tuition for EAP courses follows College guidelines per credit hour.

Domestic and international students must follow the guidelines provided by the College Admissions Department and the International Student Office.

For more information on EAP, please visit the Center for English Language Studies webpage.

General Education Development (GED)

The GED® (General Education Development) Prep program at Seminole State College provides non-high school credit instruction to prepare students to successfully complete the GED® test leading to a high school diploma issued by the Florida Department of Education. Instruction is provided in the four subject areas of the GED® Test: reasoning through language arts, science, social studies and mathematics; along with college and career exploration. To be admitted to the GED® Prep Program, students must reach age eighteen (18) by the last day of their first semester. Additional admission requirements may apply.

- **Admission:** Applications are taken prior to the start of each session (Fall, Spring and Summer) in person at the Sanford/Lake Mary, Altamonte Springs and Oviedo campuses and online via email.

- **Testing:** Placement is based on the results of the Test of Adult Basic Education (TABE), and/or CASAS Goals Assessment. See the Testing and Assessment section of this catalog for more information.
- **Fees:** All qualifying students pay a $30 state-mandated fee upon initial registration in any

semester.

State of Florida Diploma Requirements

For the most recent requirements to receive a high school diploma issued by the Florida Department of Education through the GED® test please visit our GED® Prep website.

Graduation

Students who receive a high school diploma issued by the Florida Department of Education and have attended Seminole State are eligible to participate in the College's graduation ceremony which is held at the end of Fall and Spring terms.

Scholarships

The GED® Prep program provides a competitive scholarship program for students to continue their postsecondary studies at Seminole State.

For more information about the GED® Prep program, please visit our GED® Prep website.

Adult General Education

Adult General Education classes at Seminole State are designed for students who need to improve their skills in reading, language arts and mathematics. Courses also help students improve their job readiness skills and prepare for GED® Prep classes. To be admitted, students must reach age eighteen (18) by the last day of their first semester. Additional admission requirements may apply.

- Admission: Applications are taken prior to the start of each session (Fall, Spring and Summer) in person at the Sanford/Lake Mary, Altamonte Springs and Oviedo campuses and online via email.

- Testing: Placement is based on the results of the CASAS Goals Assessment. See the Testing and Assessment and/or Test of Adult Basic Education (TABE) section of this catalog for more information.

- Fees: All qualifying students pay a $30 state-mandated fee upon initial registration in any semester.

For more information about Adult General

Education classes and the GED® Prep program, please visit our GED® Prep website.

General Education Core Digital Badges

Beginning with students who initially enter a postsecondary institution in the 2022-2023 academic year and thereafter, Seminole State College of Florida and other public postsecondary institutions are required to award students a nationally recognized digital badge upon completion of general education core courses that demonstrate career readiness.

This is inclusive of dual enrollment students who complete core courses while in high school in the 2022-23 academic year and thereafter.

Florida public postsecondary institutions must award credit earned through acceleration mechanisms, including credit by examination (e.g., AP, IB, AICE, and CLEP). Therefore, institutions may award digital badges to students who receive transcripted credit for the general education core course(s) required to complete the digital badge.

Students will receive their digital badge 14 business days after the completion of the session in which the digital badge course is earned with a grade of "C" or higher.

The first digital badge in effect for Fall 2022 is **Fundamentals of Written Communication**.

Badge #1 – Fundamentals of Written Communication

Minimum Requirements

The Fundamentals of Written Communication digital badge will be awarded automatically upon completion of ENC 1101 or a course in which ENC 1101 is a prerequisite with a grade of "C" or better.

Defining "Fundamentals of Written Communication"

Effective written communication is the ability to communicate ideas, information, and perspectives clearly, adapting a message to different audiences and situations, and using the appropriate style to convey meaning in various written contexts.

Learning Outcomes

By completing the college course associated with this badge, you will demonstrate information literacy, comprehension of written material, and conveying information in writing for a variety of rhetorical purposes and audiences. Some of the learning outcomes associated with the college course that results in this badge include:

- Examining and analyzing written material.
- Synthesizing information and ideas.
- Developing content relevant to the purpose.
- Demonstrating the ability to write to a specific audience.
- Presenting a perspective informed by research and critical thinking.
- Revising written communication based on feedback.

Importance in Workplace

- Enhances an employee's ability to interpret and evaluate a wide variety of written material.
- Promotes research, critical thinking, and problem solving.
- Advances the development of clearly written material relevant to the intent.
- Enhances the use of appropriate language for the intended audience.
- Increases the competent, effective, and responsible use of information.

Supplemental Services

Bookstore

Seminole State's campus bookstores stock books and materials for all courses and provide options for lower-cost rentals, used and digital textbooks. The bookstores also carry reference books, extra reading materials, school supplies, computers, College merchandise and miscellaneous items. For student convenience, purchases may also be made by using Seminole State's online bookstore. All information, including each store's hours, is available at on the Bookstore website. Store hours are also posted on the storefronts.

Returns and exchanges of purchases are processed based on bookstore guidelines. Original, current receipts are required. Consumable items such as loose-leaf books and access codes must be sealed in order to obtain a refund.

The bookstore buys back textbooks during their regular store hours. Students will receive the highest buyback rates during the peak period of buyback demand which occurs each term between midterms and finals.

Bookstore FAQs

Bulletin Boards

Outside organizations who wish to post notices or fliers to market to students on a Seminole State bulletin board or other locations on campus must obtain clearance from their campus Student Life staff. Printed materials such as posters and signs must have the Student Life "Approved for Posting" stamp that clearly lists the date that the posted item should be removed.

Please review the Guidelines for Placing Posters and Flyers on Campus from the Student Life Resources web page.

Food Service

On-campus dining and vending machine services are available during regular College hours, unless otherwise posted. Dining locations and hours of operation are available online.

Seminole State College Dining has partnered with Grubhub so you can order ahead and pick up your food between classes or on your way to your next meeting. Grubhub online ordering is available daily at Seminole State College's Sanford/Lake Mary Campus and the Altamonte Springs Campus. Weekly menus and hours of operations are available online.

Housing

Seminole State does not provide on-campus housing.

ID Card

The Blue & Gold Card is the official identification card for Seminole State College. The Blue & Gold Card is required for identification and can be used for multiple purposes. Students have 24/7 access to their ID card account through the online portal. There, students can manage online deposits to the Blue & Gold Card and view recent account transactions.

To obtain a Blue & Gold Card, one must:
- Be an enrolled student or current employee of Seminole State College;
- Present a government-issued identification such as a driver's license, passport, state of Florida identification card or military ID to any Blue & Gold Card Services campus location.

In addition to serving as a student ID, the Blue & Gold Card can be used for:
- Bookstore purchases and book buyback refunds
- Campus library services
- Copying and network printing
- Discounts with local merchants
- Entering College events
- Obtaining parking permits
- On campus dining purchases

Making purchases on campus at:
- College bookstores
- Copy machines
- Food service cafes
- Network printing stations
- Vending machines

Student Email and Text

Seminole State College provides a Microsoft Office 365 account for students that includes an @live.seminolestate.edu email address through the Outlook application. This is the College's official student email system and is the only email account the College will use to communicate with you about your student records. Your student email account will be available within 24 hours after your residency status has been determined and you have created your MySeminoleState account.

Once your student email account is available, you are required to log in to the Self Service Password Reset Portal and change your password. Please refer to the first time user instructions for information on how to reset your password and log in.

Messages sent to your Office 365 account may be forwarded to another email account, but students do so at their own risk. The College cannot provide technical support if problems such as lost or missing messages arise as the result of forwarding emails outside of Office 365. Students are responsible for the content of College communications sent to their Office 365 address. While messages in Office 365 can be forwarded, all email messages from a student to the College and his or her professors must be sent from the student's Office 365 account. By using your Office 365 account, you agree to these conditions.

Seminole State Text is the College's messaging service to keep students informed about their records, important deadlines and campus emergencies. Messages sent via Seminole State Text include, but are not limited to, admissions alerts, financial aid notices, important deadlines, tuition due dates, registration notices, enrollment appointments and campus alerts. A MySeminoleState username, password and a cell phone number are required to sign up and receive text messages. Standard text messaging rates may apply.

Seminole State Text is not an alternative, but a supplement to Office 365. Students are responsible for checking their student email accounts regularly.

Phone and U.S. Mail

It is necessary for Seminole State to communicate with students via the phone numbers and addresses listed in their MySeminoleState account. Students must verify their contact information by logging in to their MySeminoleState account.

Print Shop

The College's Print Shop, located at the Sanford/ Lake Mary campus, provides copying and printing services for internal College business, but also provides these services to students, employees, the public and outside organizations based on the College's fee schedules for these services. Please contact the Print Shop at 407-708-2188 or view their information online at Copying and Printing Services.

Safety and Security

Emergency Response and Notification System

Seminole State College maintains a comprehensive emergency management plan along with policies and procedures to respond to emergencies. The plan is based on an all-hazards disaster response that complies with FEMA guidelines for higher education that includes planning, mitigation, response and recovery actions. In the event of a significant emergency or situation involving an imminent threat to the health and safety of the campus community, the College uses a multi-layered approach to notify its constituents through the Emergency Notification System:

- **Emergency alert phone system:** All Seminole State classrooms and offices are equipped with IP speaker phones that allow the College to broadcast emergency messages as needed. The phone system allows the College to target messages by building or classroom.
- **Seminole State Alert (website):** Seminole State Alert serves as the primary source for information updates on Seminole State's website. Using a scrolling message, the alerts will display at the top of most Web pages on the site using a traffic signal color system: green, yellow and red.
- **Email:** Depending on the nature and location of an emergency situation, Seminole State may send an email message to students, faculty and staff.
- **News/social media:** Updates may be posted in the online The Newsroom, Seminole State's official news home and the College's official social media sites, Facebook, Twitter and Instagram.
- **Text messaging:** Seminole State may use text messaging to provide official notification of a situation that poses an imminent physical threat to the community.
- **Phone:** Seminole State will record emergency messages on its Emergency Information Hotline at 407.708.2290.
- **Other:** Additional communication may include fliers, alerts on campus TV screens and regular updates for the news media.

For more information on emergencies, please visit the Seminole State Alert home page.

Reporting Emergencies and Crimes on Campus

Seminole State College encourages anyone who is the victim of or witness to a crime or any other emergency to promptly report the incident to the Campus Safety and Security Department. All students, employees and visitors should immediately report crimes in progress, medical emergencies or fire by calling security or by calling the appropriate police or fire agencies by dialing 911.

- **Security for all campuses can be reached at 407.708.2178**

Individuals may also report crimes that are no longer in progress by contacting any of the campus security offices. Students who are the victims of a crime and wish to file a police report should contact a campus security officer who will arrange for a meeting with the appropriate law enforcement agency. Keep the following in mind to provide as much information as possible to the police:

- If assaulted, try to provide a good description of the person such as height, weight, hair color, clothing description, mode and direction of travel.
- If a car is damaged or burglarized, provide the time the student arrived on campus and a description of where the car was parked. Remember, a police report may be required to satisfy insurance company requirements.
- If personal property is stolen, provide serial and model numbers (if known), a complete description of the object(s), along with any other identifying data to assist in recovery.

An emergency is defined as the illness or injury of an individual while on a Seminole State campus; any disturbance on campus, which, if action were not taken immediately, could result in a serious injury or possible death; or any crime, in progress, that could result in serious injury or possible death.

Seminole State staff members will take appropriate actions to address the situation until emergency

personnel arrive on scene. If an ill or injured student elects not to be transported by emergency medical personnel, a Seminole State representative will not transport or arrange for transportation for that student.

Lost and Found

It is important to use a reliable and consistent method of collecting and storing lost and found property at all College sites. A lost and found repository is maintained in the security office at each campus. Faculty and staff members and students should turn in all lost and found items to security as soon as possible. Students and others inquiring about lost items should be directed to the security office on the campus where the property was lost.

If the property is not claimed within 30 days from the date on the property sheet, the property will be disposed of in accordance with College policy.

Medical Services

No medical facilities are available to students on any campus. First aid kits are located in campus security offices for emergency use only. Campus medical emergencies are handled as listed in the Emergency Response and Notification System section of this catalog.

Parking and Traffic Regulations

The following regulations were established to provide traffic and parking parameters for vehicles that are operated or parked on Seminole State College campuses and sites. Students who drive vehicles on a College campus or site will be responsible for the proper registration, use and operation of their vehicles in accordance with the traffic and parking regulations set forth by the College.

The College reserves the right to regulate the use of vehicles on its campuses and to take appropriate actions against those who do not comply with the College's regulations. The College is authorized and reserves the right to regulate the use of any of its parking lots for exclusive use by designated groups or individuals.

In addition to the rules and regulations established by the College, all traffic laws of the State of Florida are in effect at all times on all campuses and sites. All students who park in College parking lots must display a current and valid Seminole State parking permit. Students may obtain a parking permit from any campus Business/Cashier's Office and any ID Card Office after completing the online registration process at https://portal.seminolestate.edu.

- Blue-lined parking areas - Americans with Disabilities Act (ADA) accessible parking only
- Green-lined parking areas - Visitors only
- Orange-lined parking areas - Faculty and staff parking (no students at any time)
- Purple-lined parking areas - Board of Trustees (no students at any time)
- Red-lined areas - Designated fire lanes and emergency vehicle parking
- White-lined parking areas - Student Parking

All student parking permits must be permanently affixed to the driver's side rear bumper or rear windshield with the decal number clearly visible. Parking hang tags must be displayed from the rear-view mirror with the permit number facing the windshield.

Parking Violations and Fines

All fines shall be paid in person at the Business/ Cashier's Office at each campus. Parking citations must be paid within 10 business days after posting. All fines are $10 for each offense unless otherwise specified below:

Fine	Violation
$10	No decal/improper display of decal or permit
$10	Parked over lines
$10	No parking zone
$10	Posted areas (No Parking, Visitor, College Vehicle Only)
$10	Driveways
$10	Double parked
$10	Service entrance/loading zones
$10	Students parked in faculty/staff parking lots

$10	Exceeding time limit in 15 minute loading/unloading zone
$10	Failure to comply with instructions given by a security officer in the performance of traffic control and parking duties
$10	Within 10 feet of a fire hydrant or in a fire lane
$10	In a designated tow-away zone
$10	Parked in a reserved parking space
$10	Driving around or removing a barricade
$10	Parked in visitors' parking lot
$10	Providing false parking or vehicle registration information
$10	Obstructing driveways, sidewalks, roadways or other vehicles
$10	*Parked in ADA accessible parking space

*May also be subject to a state-assessed fine of $250 written by law enforcement officers.

Three or more unpaid parking citations will result in the vehicle being towed at the owner's expense. Unpaid fines will result in an immediate hold on student records, diplomas, transcripts, certificates and future registrations. For more information, visit the Safety and Security website.

Tobacco Free College

To promote the health and wellness of the College community, Seminole State became a tobacco-free College on August 26, 2013. The use of tobacco of any kind and in any form is prohibited on all College-owned and/or operated facilities. This includes tobacco use in personal vehicles while on College property. Seminole State has partnered with the Seminole County Health Department to offer resources to help students and employees who need help quitting. For more information, please visit the Tobacco Free College website.

Financial Aid

Financial Aid Overview

Seminole State College's financial aid program helps eligible students who want to further their education but could not attend college without assistance. Financial aid is available to supplement a family's contribution and help meet the cost of postsecondary education. The student financial aid programs are administered according to a nationally-accepted policy that the family, student and/or spouse is responsible for educational expenses.

The Office of Financial Aid and Scholarships provides each aid recipient with electronic information about financial assistance at Seminole State. Students are responsible for reading this information and asking questions if they do not understand.

Students should electronically submit their financial aid application by completing the FAFSA online.

Seminole State's Federal School Code is 001520.

Students should frequently review the To-Do List tile located in their My Student WorkCenter via their MySeminoleState portal to ensure they provide, in a timely fashion, the requested information to complete their financial aid application. Students must also follow the directions and respond promptly to all financial aid correspondence.

Steps to Apply for Financial Aid

Steps to Apply for Financial Aid

1. New students must apply for admission to the College and submit proof of high school graduation. New and returning students must be in a financial aid eligible program. Financial aid awards may be predicted, but funds cannot be released without providing proof of high school graduation or GED® and timely submission of all required documentation.
2. Complete the FAFSA each year, listing Seminole State's federal school code: **001520**. Students can file electronically. Students must apply for financial aid through the FAFSA

application each academic year. Most male students must register with Selective Service to receive federal aid.

3. Students selected for verification may be requested to provide copies of their (and/or their parents') tax return transcripts for two years prior which can be obtained from the IRS website. Required tasks can be found via the student's Verification Portal. Students can navigate to the portal via seminolestate.verifymyfafsa.com. All students selected for verification must submit all required verification and tax forms at least eight weeks prior to the term start date for on-time disbursement of aid during the term. A more detailed explanation of the verification process can be found at https://www.seminolestate.edu/financial-aid/guidelines/verification.
4. Students who apply for a student loan for the first time at Seminole State must complete an online student loan entrance counseling workshop. Students are required to complete an online Master Promissory Note (MPN) before funds can be received. Links to Promissory Notes and Entrance and Exit Counseling are available through My Student WorkCenter via MySeminoleState in either the Financial Aid or Resources tiles or at the StudentLoans.gov website. Students must be enrolled at least half-time within a term to qualify for student loans and must be attending at least half time as of the date of disbursement to receive the loan.

Types of Financial Assistance

- **Federal Pell Grant:** The largest and best-known source of grants, Federal Pell Grants are awarded based on need and do not have to be repaid. Initial Pell Grant awards are predicted at full-time enrollment status and are prorated after the student's census date based on less than full time enrollment. A student may receive up to 12 full-time semesters (or their equivalent) of Pell Grant and Pell Grant usage and any remaining balance may be found at the National Student Loan Data System website.

Contact Student Services concerning eligibility with less than half-time enrollment.

- **Federal Supplemental Educational Opportunity Grant:** This grant is awarded to undergraduate and vocational students who demonstrate exceptional financial need. Funds are limited and awards are made based on the priority consideration deadline.
- **Florida Student Assistance Grant:** This grant is awarded to students with financial need, based on state criteria. Recipients must have been a Florida resident for the previous 12 months, be enrolled at least half-time (six or more credits within a term), meet the financial aid standards of academic progress and complete all attempted hours for each term during the prior year that the grant has been received for renewal.
- **Federal Work-Study Program:** This need-based program awards a maximum of 20 hours of employment per week based on the availability of funds.
- **Federal Direct Loan:** This loan is available for undergraduate students who enroll at least half time (six or more credits within a term). Academic year maximums are determined by federal regulations. Repayment begins six months after the student graduates, withdraws or drops below half-time enrollment. Loans are classified as subsidized or unsubsidized. Subsidized loans are contingent on a student having financial need. Interest does not accrue on subsidized loans until the student enters repayment. An additional unsubsidized loan is available as determined by federal regulations for students reaching subsidized eligibility limits or for those with less financial need. For the unsubsidized loan, the student is responsible for repaying all interest, which begins accruing immediately following disbursement.
- **Federal Direct PLUS Loan:** This loan is available for parents of dependent students. Maximum eligibility is equal to the cost of education minus other aid. Repayment of principal and interest usually begins within 60 days of the disbursement of the loan, unless in-school repayment relief is granted.

Scholarships

Institutional scholarships are awarded based on criteria established by Seminole State. Awards must be coordinated with other types of available financial assistance and may reduce the eligibility for other federal or state need-based aid. Private scholarships are awarded based on criteria established by organizations and agencies other than Seminole State. General scholarship application procedures are available on our Scholarship Webpage or Foundation for Seminole State College.

State of Florida Scholarships (such as the Florida Bright Futures Scholarship) are based on Florida Department of Education guidelines and funding levels.

Rights of Financial Aid Recipients
Rights of Financial Aid Recipients

- **Confidentiality:** The Privacy Act exists to protect students' rights to confidentiality and limits the College from releasing information about a student's file or award(s). Therefore, information released over the phone must be limited to general information. Students must submit a written request if they need information about their financial aid released to an outside agency or to another person. Please see Notification of Student's Rights under Family Educational Rights and Privacy Act (FERPA) in the online catalog or visit the FERPA page on the Seminole State website for additional information.
- **Knowledge:** Financial aid recipients have the right to know what the Student Financial Resources Office has done and what is expected of them. This information is available for viewing on the student's MySeminoleState portal. If a student has additional questions after viewing their portal, they have the right to contact a Student Success Specialist on any campus.
- **Fair and Equal Treatment:** Financial aid awards at Seminole State are made without regard to race, color, creed, national origin, age, sex, veteran status, disability, sexual orientation or marital status. Need is

determined using a nationally recognized formula.

Satisfactory Academic Progress (SAP) for Financial Aid Recipients

A financial aid recipient is a student who receives any scholarship, loan, grant, or work-study award administered through Financial Aid and Scholarships.

Federal, state and college regulations require that a student must maintain satisfactory progress to receive most types of financial assistance, though some scholarships have different criteria. The minimum standards at Seminole State are contained in this document and applicable to the financial assistance programs administered by Financial Aid and Scholarships.

At Seminole State, a student's entire academic history, including credits that are transferred from other schools, is evaluated to determine whether he/she is maintaining satisfactory academic progress. Eligibility to receive financial aid is established each term, based on a student's ability to meet the criteria for Satisfactory Academic Progress.

Failure to meet these Satisfactory Academic Progress will result in the student being placed on financial aid suspension. Students who are on financial aid suspension will be prohibited from receiving any federal and most state financial assistance until they have returned to satisfactory progress. Students on financial aid suspension may continue to enroll and attend classes at Seminole State as long as tuition charges are paid through other resources.

- **Successful completion of a class:** Defined as having earned a grade of "A," "B," "C," "D," "S" or "P."
- **Unsatisfactory completion or non-completion of a class:** Defined as having earned a grade of "F," "N," "W," "I," "U," "NP" or "X."
- **Enrollment Status:** This is established by the number of credit hours for which a student is officially registered each term. Students must successfully complete a specific number of credits as determined by their program of study and their enrollment status.
- **Total hours attempted:** Students are expected to earn a degree or certificate within a specified number of attempted hours and are only eligible for financial aid during this time. The number of attempted hours cannot exceed more than 150 percent of the published length of the educational program.

All students receiving any type of federal or most state financial aid must meet the Satisfactory Academic Progress (SAP) for Financial Aid Recipients. The requirements for these standards are set by federal regulations. Students must meet all three criteria for ongoing eligibility for federal aid.

SAP Requirements

1. A student must maintain a minimum 2.0 cumulative grade point average (GPA);
2. A student must successfully complete at least 67 percent (student completion rate - pace) of all Seminole State courses taken (including transfer courses accepted by Seminole State);
3. A student must complete his/her degree within the 150 percent time frame (example: an associate degree requiring 60 credit hours must be completed within 90 credit hours). At the point that this is determined to be mathematically impossible, aid will be suspended.

Minimum Cumulative 2.0 GPA

For students who have attended other colleges, the courses accepted as transfer credit by Seminole State, including those taken as part of another program of study, will be included in determining SAP for financial aid purposes.

How to Calculate Student Completion Rate (Pace)

The formula for calculating the completion rate is total hours earned divided by total hours attempted. The resulting percentage must be 67 percent or greater to meet Satisfactory Academic Progress (SAP) for Financial Aid Recipients.

For financial aid purposes, successful completion of a course means an earned grade of A, B, C or D, S or

P. All other grades (F, I, W1, W2, W3, W4, W5, N, U, NP, X) are attempts or unsuccessful completions and will impact a student's progress. Attempts include any courses in which a student is enrolled for credit beyond the official add/drop refund deadline.

The following chart demonstrates 67 percent completion rate (pace) for attempted hours in a semester. The left-hand column is the attempted hours and the corresponding number in the right-hand column is the number of hours you must successfully complete with a 2.0 GPA or higher to maintain satisfactory SAP.

Example: A student registered for 12 credit hours must complete 8 credit hours with a 2.0 GPA or higher to meet the SAP requirements for the semester. The 2.0 GPA and completion rate (pace) of 67 percent apply to cumulative totals on a student's transcript.

Credit Hours Attempted	Earned Hours Needed (Passed with a GPA of 2.0 or higher)
15	11
14	10
13	9
12	8
11	8
10	7
9	7
8	6
7	5
6	4

Maximum Time Frame Eligibility

- Students who have attempted more than 150 percent of the credits required for their program of study are not considered to be making satisfactory academic progress, according to requirements for SAP, and

therefore, are ineligible for financial aid funds. Students who do not have a degree and exceed maximum hours will not be able to regain financial aid eligibility at Seminole State College.
- Students who change their educational program or graduate and reapply to a new program still must adhere to the maximum time frame policy.

Satisfactory Academic Progress (SAP) will be evaluated at the end of every term. Students who do not meet the minimum GPA and Completion Rate SAP standards will be placed on "Financial Aid Warning" at the end of the semester in which they did not meet the standard(s). They will be eligible to receive federal financial aid funding for the following semester and given an opportunity to resume good academic standing. Students given this status are not required to petition for possible reinstatement of their financial aid eligibility.

Students placed on Financial Aid Warning status will be able to see this status on their MySeminoleState portal. Students who do not meet SAP standards after this period of Financial Aid Warning will be denied eligibility for future semesters and placed on Financial Aid Suspension status until they meet the SAP standards or submit a SAP Appeal that is approved.

Financial Aid Appeals Process

Students who have not met SAP standards and are placed under Financial Aid Suspension status must complete the following steps to appeal their status and be considered for reinstatement for their financial aid eligibility.

1. Students who have extenuating circumstances (example: hospitalization, death of an immediate family member, call to active military duty, etc.) must complete an assessment before they can submit an appeal. This assessment can be found on the Financial Aid website. If this assessment determines you are qualified to appeal, you will be given instructions on how to submit the appeal.
2. Be sure to submit documentation that supports the extenuating circumstance(s) with the appeal (Examples: statement signed by student's doctor, death certificate).

Incomplete appeals will not be accepted. Appropriate documentation as prescribed above must be provided at the time the appeal is submitted. After a thorough evaluation of the written request and all supporting documentation, the Financial Aid Review committee will make a decision and notify the student of the decision by email communication. The decision of the Financial Aid Review Committee is final.

Students are limited to one time frame appeal and will be required to successfully complete 100 percent of all future coursework if approved. Therefore, it is important that students take only the number of courses that they will complete successfully. A degree audit/grad check will be required for all time frame appeals.

The appeal must include a prescribed academic plan that must be approved by Academic Advising. If the appeal is approved, they will be placed on the academic plan. The student will continue on the academic plan as long as he/she is successfully complying with the prescribed academic plan requirement(s) that is submitted as part of the SAP Appeal. The Academic Plan status will stay on the student's financial aid file until the student meets SAP Standards or completes his/her degree.

Academic Plan

The student's progression will be monitored at the end of the semester to ensure the student is following the prescribed academic plan and successfully matriculating through their program of study. Disbursements will not be made for a semester unless it is verified that the student's prior review (if applicable) was acceptable and the student is in proper classes for the term in question.

A student will be considered successful in an Academic Plan if all three of the following items are met:

1. All of the classes taken under the plan are required for the student's program of study;
2. The student maintains a minimum 2.5 GPA for the semester in question (not cumulative GPA) if grades were below 2.0 at time of appeal;
3. The student successfully completes 100 percent of the classes prescribed in the Academic Plan.

If any one of the three items above is not met, then the student will be considered to not have met the terms and conditions of the Academic Plan, and will be placed on Financial Aid Suspension and will be ineligible for financial aid until such time the student regains eligibility by establishing a minimum 2.0 cumulative GPA and reaching a 67 percent completion rate for all classes attempted.

If a student meets all three criteria above, the student will not have to appeal again for the following semester. Otherwise, the student will remain on the Academic Plan until the student regains eligibility.

Note: While on an Academic Plan or Warning Status, a student will not be able to defer their fees for an upcoming term until grades have been posted and the SAP process has run at the end of the current term. Tuition due dates will be extended for these students until such time that this happens so that they will have the opportunity to defer their tuition if they successfully completed the term and are in an acceptable status. There is an extremely short period of time between the Spring and Summer terms when these students will be able to defer before classes will be dropped, so it is very important that they do so two days after grades post. A week will be given between other terms whenever possible.

Responsibilities of Financial Aid Recipients

Responsibilities of Financial Aid Recipients

- **Return of Title IV Funds:** Any federal financial aid recipient who completely withdraws or ceases attendance prior to completing more than 60 percent of any given term will be required to repay all or a percentage of the aid received. Students who find themselves in a situation where they must withdraw should make an effort to pass at least one course. Failure to repay or make arrangements to repay these funds could make the student ineligible for future federal assistance from Seminole State or possibly any other institution. The Department of Education has not made any provisions for extenuating

circumstances and there is no appeal process. For more information, refer to the Financial Aid website. All financial aid recipients must notify Student Services when making any changes in their programs. This includes the completion of a degree. Failure to do so may cause loss of aid. ***Students who are receiving aid should check with Student Services before withdrawing from courses.***

- **Award Notification and Disbursement of Funds:** An award letter that states the types of aid, amounts and conditions of recipients' awards will be available through the student's secure MySeminoleState account. The disbursement of financial aid funds will begin after the add/drop period every semester and after faculty members certify attendance in scheduled classes. Financial aid will first be applied to outstanding financial obligations the student may have with Seminole State, such as tuition, as well as fees and book charges. Any remaining balance that is due to the student will be disbursed by BankMobile via the refund preference selected by the student. For more information about BankMobile, visit this link: http://bankmobiledisbursements.com/refundchoices/. ***Since this process takes place after the term begins, it is essential that financial aid recipients set aside personal funds to cover expenses at the start of each term.***
Note: For students who enroll in courses that begin after the standard start date of the semester, certification for aid eligibility and eventual disbursement of aid may not occur until those classes begin and attendance is verified by the instructor. Contact the Student Success Specialist on any campus for further details.

- **Census Date:** Is defined as the last date of add/drop for the A/Full term. In order to have courses counted in enrollment status for Financial Aid calculations, a student must be registered in all courses for the term by the census date. This means that in order to have any B session or 12 week session courses counted in a student's financial aid award calculation, they must be included in those registered for during the student's initial enrollment period. If a student who enrolls for A/Full term plans to also enroll in a B session course, they must do so by the end of add/drop for the A/Full term. If a student's initial enrollment for the term is during B session or the 12 week session add/drop, then their awards will be calculated based on enrollment at the end of that session's add/drop.

- **Providing Complete and Correct Information:** If inaccurate or incomplete information is provided, applications cannot be processed. This will result in delays or could make the student ineligible for aid. Students who deliberately provide false or misleading information may be prosecuted for federal fraud, which carries a penalty of up to 10 years in prison, a $10,000 fine or both.

- **Abiding by Agreements:** As part of their financial aid application, students are asked to sign agreements that they understand the eligibility criteria associated with their aid programs. These signature requests can be either manual signatures or e-signatures using the student's unique PIN. Financial aid recipients should fully understand all forms before signing agreements.

- **Satisfactory Academic Progress (SAP):** Federal regulations require students to demonstrate satisfactory progress toward a degree or certificate to be eligible to receive financial assistance. Academic progress for financial aid applicants will be checked at the end of each term, regardless of whether the student had received financial aid. See Satisfactory Academic Progress for Financial Aid Recipients on the Seminole State website.
Measures of progress require that students:
  - Achieve and maintain a cumulative 2.0 GPA;
  - Maintain a minimum 67 percent completion rate (total hours completed divided by total hours attempted. This includes any transfer hours);
  - Complete a degree or certificate program within 150 percent of the number of hours required to complete the program.

Important Information

- Federal Direct student loans must be repaid. Students are required to complete entrance counseling before borrowing student loans and must complete required exit counseling when the student ceases enrollment, withdraws, reduces enrollment below six hours a term, graduates or applies for graduation.
- Less-than-half-time students may be eligible for Federal Pell Grants, depending on the level of the Pell award.
- Students who have earned a bachelor's degree are ineligible for Federal Pell Grants or FSEOG but may be eligible for other federal student aid programs. The only exception are those post-baccalaureate students enrolled in the Teacher's Certificate program who may receive Federal Pell Grants and Federal Direct Student Loans, provided they show remaining eligibility.
- Students who attend two schools in the same enrollment period must inform both financial aid administrators, as aid can only be received at one institution during a term. Students can only receive funds awarded through the degree-granting institution (the home institution). Students with Seminole State as their home institution and wishing to take classes at a Florida public institution must complete and file a Transient Student Admission Application online.
- Conviction of drug distribution or possession may make a student ineligible for federal aid.
- Financial aid cannot be paid for classes outside of the student's prescribed program plan or for classes that are "Audited."
- Federal aid is limited to 30 credit hours of developmental courses in addition to their Program Requirements.
- Federal aid cannot be paid to students enrolled in an AA/AS program, for pre-requisite courses needed for acceptance to another program (such as Baccalaureate.) The only exception to this is that Direct Loans may be paid for up to 12 months once a student has graduated with their A.A. /A.S. degree and is enrolled in only required pre-requisite courses.
- Financial Aid Deferment: This option is available for students who have made a timely application for federal and state financial aid and wish to pay for tuition and fees from financial assistance. Students must complete and sign an online request via MySeminoleState each semester. For details, contact Student Services. Financial Aid deferments will not be available to those on SAP Warning, Probation or Academic Plan until after the current term's grades have been finalized and posted.
- Students receiving a one-term only loan will receive the loan amount in a minimum of two disbursements. This means that Financial Aid may not disburse more than half a student's total loan amount before the midpoint of the term.
- Financial need is the difference between the estimated cost of education and the amount a student and his/her family are expected to contribute to these costs minus other scholarships or financial aid. Need-based financial aid awards may consist of a combination of grants, part-time employment and loans.

U.S. Department of Education Regulations

The U.S. Department of Education developed new regulations, effective July 1, 2011, in response to the rapid growth of enrollment, debt load and student default rates at postsecondary institutions. The regulations are intended to strengthen the integrity of the federal student aid program and to ensure that taxpayer funds are used appropriately. The College is required to abide by these regulations which include (but are not limited to):

- **Return of Federal (or Title IV) Funds and Attendance**
  Students must earn their financial aid by sufficient attendance and progress in classes. If a student does not attend or is a "no show," the student is responsible for paying back all funds attributed to that course. Also, if a student does not attend past the 60% point of the payment period (module or term), a Return to Title IV calculation must be performed which could result in the requirement that a student repay some of those funds.

- **Retaking Coursework**
  Students who pass a course and elect to retake the course can receive Title IV (aka "federal") assistance for retaking that course a maximum of one time. According to the federal rules, a grade of "D" is passing. **Note:** Some courses have prerequisites of a minimum grade of "C" earned in the prerequisite course.

- **Educational Planning**
  Students should consult with an educational advisor to obtain an educational plan during their first semester. Only courses required or allowed in the declared program of study listed on a student's record can be used to determine the financial aid award. Taking courses that are not required or allowed for a degree increases out-of-pocket costs and can delay earning a degree or credential.

- **Academic Record Holds**
  Outstanding obligations to the College that are not satisfied will result in academic record holds being added to student accounts. Evidence of any outstanding requirements will result in a hold(s) being placed on student accounts. Academic record holds may restrict or limit course enrollment and/or the release of transcripts, diplomas, or related credentials. Students should monitor their student accounts for any academic record holds and resolve any hold(s) prior to the next semester.

- **Satisfactory Academic Progress (SAP) for Financial Aid**
  Federal financial aid is intended to help students attend college with the goal of completing a degree or credential. Recipients are expected to attend classes, make progress toward completing their selected program of study and do so in a fairly efficient manner. Ongoing eligibility for federal financial aid requires that students demonstrate satisfactory progress toward completion of the declared program of study. Ongoing eligibility requires the following:
  1. Maintain at least a 2.0 GPA;
  2. Successfully complete at least 67 percent of the coursework attempted (students who fail or withdraw from an excessive number of classes fail to meet this criterion);
  3. Complete the declared program of study within 150 percent of the published program length.

- While Satisfactory Academic Progress for Financial Aid has long been in effect, the new regulation requires institutions to review the standards more rigorously. For more information, visit the Satifactory Academic Progress website.

- **Financial aid eligibility is calculated based only on courses required or allowed as electives in the student's declared program of study. This does not include any additional hours required to meet Seminole State College's Residency requirement.**
  It is critical that students obtain an educational plan and adhere to it. Financial aid awards will be based only on the required and allowed courses in the declared program of study listed on the student's record.

More information about the Federal Integrity Rules is available online through the Federal Register.

Financial Aid Eligibility

Students are alerted with important information about required and allowed courses listed for their specific program of study, but it is ultimately the student's responsibility to consult with their Academic Advisor to ensure that they are taking the correct courses. Messages may be sent to the student's Message Center, and in some cases, students will receive a pop-up message in their MySeminoleState account requesting permission to continue registration if a course for which they are attempting to enroll is outside their program/plan. This process will:

- Assist students in avoiding classes not needed for graduation;
- Alert students to courses that will not be counted in determining enrollment levels for financial aid purposes.

Students who wish to use financial aid awards to pay for tuition must accept their aid and sign a deferment request electronically each term of enrollment. Students must carefully read the eligibility criteria associated with each financial aid

program awarded to determine the required enrollment levels necessary to receive the awards. By signing a deferment, payment for all classes in which a student enrolls, including classes that are not financial aid eligible, will be deferred to the due date. If a student's enrollment at the end of the add/drop period does not contain the minimum number of financial-aid-eligible courses needed for aid disbursement, he/she will be ineligible for aid and will be required to pay out of pocket for all of the classes.

If a student chooses to enroll in classes that are not financial aid eligible based on the program of study, he/she should consult with a Financial Aid Specialist or a Student Success Specialist prior to the end of the add/drop period to determine how this will affect his/her aid eligibility and excess hours for their degree or program. For more information, visit the Financial Aid website or call 407.708.2045.

Student Fees and Residency

Fee Schedule

The Florida State Legislature and the Seminole State District Board of Trustees annually establish required fees. The following information on tuition and fees is presented as a guide for estimating the cost of attending Seminole State College. Fee increases will be publicly noticed as required by FL Statute 1009.23(20).

Fee schedule for 2022-2023

	Florida Resident Fees (per credit or credit equivalent)	Non-Florida Resident Fees (per credit or credit equivalent)
College Credit Fees (per credit hour)		
Tuition	$79.78	$79.78
Nonresident Fee	$0.00	$236.69
Financial Aid Fee	$3.00	$14.84
Student Activity Fee	$7.88	$7.88
Capital Improvement Fee	$9.48	$26.60
Technology Fee	$3.94	$15.78
Total Credit Hour Rate	**$104.08**	**$381.57**
Career Certificate Fees previously PSAV (per credit equivalent)		
Tuition	$69.90	$69.90
Nonresident Fee	$0.00	$209.70
Financial Aid Fee	$6.90	$27.90
Capital Improvement Fee	$3.30	$13.80
Technology Fee	$3.30	$13.80
Total Per Credit Hour	**$83.40**	**$335.10**
Total Per Contact Hour	**$2.78**	**$11.17**
Note: One credit equivalent is equal to 30 contact hours.		
Baccalaureate Fees (per credit hour)		
Tuition	$91.79	$91.79
Nonresident Fee	$0.00	$262.26
Financial Aid Fee	$4.37	$17.48
Student Activity Fee	$8.74	$8.74
Capital Improvement Fee	$10.34	$26.60
Technology Fee	$4.37	$17.48
Total Credit Hour Rate	**$119.61**	**$424.35**
Academic Foundation Fees (per credit equivalent)		
Tuition (Per Term)	$30.00	$30.00
English Language Institute Fees		
Tuition (Per Hour/Per Term)	$10.00 per hour/ $2,800 .00 per term	$10.00 per hour/ $2,800 .00 per term
Laboratory Fee Range		

Other Fees Which May Be Assessed At The Time of Registration

Distance Learning Fee	$8.85 (Per Credit Hour)
Dishonored Check Service Charge	$25.00
International Student Fee	$50.00
Foreign Exchange Student	$150.00

Processing Fee	
ID Card Fee	$0.30 (Per Credit Hour)
Student ID Card Replacement Fee	$10.00
Application Fee	$25.00
Transcript Fee	$5.00
Degree Verification Fee	$4.00
Replacement Diploma Fee	$20.00
Parking Fine	$10.00
Arts and Sciences Courses	$4-$170
Career Program Courses	$4.00-$520.00
Non Credit Courses	$4.00-$510.00

Fees are subject to change without notice.

Other Fees

Testing Fees	
Item	**Fine Amount**
Late return fee for tablets and calculators	$1.00 per hour with a max. of $10.00
Late return fee for audio equipment and cameras	$3.00 per day with a max. of $21.00
Lost and damaged items	The replacement cost of the item
International student processing fee	$50.00
Certified Paralegal Examination (Seminole State student)	$30.00/section
Certified Paralegal Examination (non-Seminole State student)	$40.00/section
CLEP administration fee	$15.00
CLEP	$90.00* (As of July 1, 2022)
Correspondence testing	$35.00 per exam
Accuplacer	$0 (retake $10.00)
Accuplacer (non-Seminole State student)	$25.00
DANTES registration fee	$15.00

Testing Fees	
DANTES exam fee	$100
Florida Certification Board (FCB) exam (Seminole State student)	$20.00
Florida Certification Board (FCB) exam (non-Seminole State student)	$30.00
TABE (non-Seminole State student)	$60.00
TABE retakes (non-Seminole State student)	$25.00 per subtest
TEAS (Seminole State student)	$75.00
TEAS (non-Seminole State student)	$85.00
PERT (Seminole State student)	$0 (retake $10.00)
PERT (non-Seminole State student)	$10.00
PERT Diagnostic	$10.00
Castle Worldwide	Fees determined by certifying agency
Certiport	Fees determined by certifying agency
COMIRA	Fees determined by certifying agency

Testing Fees	
PearsonVue	Fees determined by certifying agency
Prometric tests	Fees determined by certifying agency
ProV	Fees determined by certifying agency

Note: Fees are subject to change without notice.

* Subject to change by National CLEP Office

Theatre Admission Fees*

- General Admission – $10
- Discounted price of $8 available to:
  - Senior citizens over the age of 60

- Complimentary (no charge, with ID) admission available to:
  - Seminole State College students, faculty and staff members
  - Students of other high schools, colleges or universities
  - Visiting dignitaries, press, prospective students and special guests of the theatre or College

*Subject to board approval.

Residency Statement

All Seminole State College applicants who are Florida residents for tuition purposes are required to make a statement as to their length of residence in the State of Florida and submit it with their application for admission in accordance with criteria set forth in Section 1009.21, F.S. and 6A-10.044. Applicants who are not residents for tuition purposes may attend Seminole State College and are not required to submit a statement of residency. Non-Florida residents, for tuition purposes, will pay higher fees than Florida residents.

A Florida resident, for tuition purposes, or if a dependent child, his/her parent(s), must have established and maintained a legal residence in the state for at least 12 months immediately prior to his/her first day of class. The applicant must state that his/her length of residence, or if a dependent child, his/her parent(s) length of residence, was for the purpose of maintaining a bona fide domicile and not for the purpose of maintaining a temporary residence for tuition purposes.

A dependent child is a person who is eligible to be claimed by his/her parent(s) as a "child" under the Federal Income Tax Codes whether or not they are living with the parent(s). A dependent child living with an adult relative other than his/her parent(s) may qualify as a Florida resident for tuition purposes if the adult relative has maintained a legal residence in the State of Florida for 12 consecutive months and the dependent child has lived with the relative for three years immediately preceding his/her first day of class. The adult relative must have exercised the day-to-day care, supervision and control of the child during the three-year period. A dependent child whose parents are divorced or separated may qualify as a resident for tuition purposes if either parent is a legal resident of Florida, regardless of which parent claims the child as a dependent for federal income tax purposes. The following categories will be considered as Florida residents for tuition purposes:

- Active duty members of the Armed Forces of the United States residing or stationed in Florida and their dependents;
- Full-time instructional and administrative personnel employed by a public educational institution and their dependents;
- Qualified beneficiaries under the Florida Pre-Paid Postsecondary Expense program;
- Others as permitted by state statute or rule.

Seminole State College may deny credit earned by a student if it is determined that he/she has made false, incomplete or fraudulent statements in connection with his/her application for admission. In determining Florida residency for tuition purposes, the burden of proof rests with the applicant.

A non-Florida resident may apply in writing for re-classification as a resident for tuition purposes. Non-Florida residents must produce evidence that they are legal residents and have resided in the state for 12 consecutive months prior to the first day of full term classes for the semester of enrollment. A dependent child must provide evidence that his/her

parents are legal residents of Florida. A resident alien may be considered a Florida resident for tuition purposes if he/she has resided in the State of Florida for 12 consecutive months after being granted resident alien status by the United States Immigration and Naturalization Service. Only non-resident aliens, classed in specific visa categories as determined by the State of Florida, may be eligible for classification as a Florida resident for tuition purposes. If the applicant provides evidence satisfactory to the College, the applicant will be reclassified as a resident for tuition purposes for subsequent terms.

A student may appeal residency classification by following the College-approved appeals process for residency classification.

Payment of Tuition and Fees

Students can view their fees and payment deadlines by logging in to MySeminoleState and selecting the Financial Account tile. All fees must be paid by the due dates shown on the account or the student risks being dropped from his/her classes.

After initial enrollment and payment of tuition and fees each term, it remains the student's responsibility to verify that the account balance remains zero after any further enrollment activity on the account for that term. Students are encouraged to review their MySeminoleState Financial Account each time they have enrollment activity and pay any outstanding balance by the payment due date.

In some cases, fees may be deferred against anticipated financial aid. Tuition deferment is an online process and must be completed every term. After all financial aid, scholarships and third-party funding have been applied to the student's account, it is his/her responsibility to pay any remaining balance by the due date.

Acceptable payment methods for tuition and fees:
- In person at any Seminole State campus cashier window with check, money order, credit card or debit card (cardholder must be present to sign for all credit card and debit card transactions);
- Online, via MySeminoleState, with a valid credit card;
- Mail a check (checks must be preprinted with account holder's name and address) or money order, made payable to Seminole State College, to the following address:

Seminole State College of Florida
Attn: Financial Services
100 Weldon Blvd.
Sanford, FL 32773

Please include the student's Seminole State student ID number on the check or money order. Payments made via U.S. mail must be received in the Financial Services Office at least three to five business days before the payment due date to allow for processing.

For more information about tuition and fees, call the Cashiers Office at 407.708.2140.

Refund Policy

General Information: To receive a refund, the student must be officially dropped from a course or there must be a College action, such as a course cancellation. The drop date will be determined by the date on the Drop Form or online self-service transaction date as received by the Registration Office. To be eligible for a refund for a student-initiated drop, add/drop forms or an online self-service transaction must be received prior to the end of the add/drop period for each term and session as published in the Seminole State Catalog (see Academic Calendar).

A Full Term is divided into:
- **A Session** (first half of a full term);
- **B Session** (last half of a full term);
- **12W Session** (last 12 weeks of a full term);
- **Odd Term (OT) Session** (occurs within the full term and has a predetermined start and end date. OT sessions may start and end at any time, and they may last for a day, week, month or more);
- **Open Entry/Exit (OEE) Session** (occurs within the full term and has a predetermined start and end period. These classes are normally learner-paced and the student may enter and exit within the predetermined start and end period).

Per College Procedure 5.0450 Student Tuition and Fee Refunds*:

Procedure

1. **Dropped or Cancelled Classes**
   In order to receive a refund, the student must officially drop from a course or there must be a college action such as a course cancellation. The drop date will be determined by the date of the Drop Form (form) or online self-service transaction date as received by the Registrar/ Enrollment Services Office. To be eligible for a refund for a student-initiated drop, add/drop forms or online self-service transaction must be received prior to the end of the add/drop period for each term and session as published in the Seminole State College Catalog.

   A full term is divided into the following: "A" session (first half of a full term); "B" session (last half of a full term); Odd Term (OT) session (OT sessions occur within the full term and have a predetermined start and end date. OT sessions may start and end at any time and they may last for a day, week, month, or more.); and Open Entry/Exit (OEE) session (OEE sessions occur within the full term and have a predetermined start and end period; however, these classes are normally learner-paced and the student may enter and exit within the predetermined start and end period.)

   Refunds will be made as follows:

General Information	
Session: A, B, 12W or Full Term	
Courses dropped by the close of business hours or online before midnight on the last scheduled date of add/drop	100% refund
Thereafter *	No refund
Session: Odd Term (OT)	
For classes meeting one (1) to three (3) days: Courses dropped prior to the first scheduled class day	100% refund
Thereafter*	No refund

General Information	
For classes meeting four (4) days or more: Courses dropped within one calendar day after the first scheduled class day	100% refund
Thereafter*	No refund
Session: Open Entry/Exit (OEE)	
Refund is by petition only	
Session A, B, 12W or Full Term	
Courses dropped by the close of business hours or online before midnight on the last scheduled date of add/drop	100% refund
Thereafter*	No refund
Session: Odd Term (OT)	
For classes meeting one (1) to three (3) days: Courses dropped prior to the first scheduled class day	100% refund
Thereafter*	No refund
For classes meeting four (4) days or more: Courses dropped within one calendar day after the first scheduled class day	100% refund
Thereafter*	No refund
Session: Open Entry/Exit (OEE)	
Refund is by petition only	
Refund is subject to terms of applicable contract	
Thereafter *	No refund
Courses canceled by the College	100% refund
College error	100% refund

2. **Refund**
    A. Seminole State College may refund 100 percent of the tuition and fees after the published refund deadline if a student withdraws from a course(s) due to death of an immediate family member, death of the student or involuntary call to active military duty. No refund will be approved unless the student provides the necessary documentation which supports the reason for a refund. If documentation cannot be provided, the request for refund cannot be considered. Students must file a Request for Refund form prior to the beginning of classes for the next successive term to the Registrar/Enrollment Services Office. A family member may submit the Request for Refund based on death of the student. Failure to file the request in a timely manner may be considered as a reason for the denial of the request. The request is reviewed and decided by the Registrar/Enrollment Services Office and no appeal process is offered.
    B. Refund forms can be found online.

*Refund policy and procedure is subject to change. Changes are published online.

Refund for Students Receiving Federal Financial Aid

Seminole State will issue refunds after the official refund deadline pursuant to U.S. Department of Education requirements. Information is available from the Student Financial Resources Office.

Returned Check Policy

A $25 returned check fee will be charged for each check made payable to Seminole State College that is returned by the bank for non-payment. Returned checks that are given in payment of registration fees must be paid in full within 15 calendar days from the date the student is notified by the College or the student's enrollment may be canceled. Students will have check payment privileges denied after two returned checks. The Student Accounting Office will send a letter and monthly invoices to the student. Unpaid balances will be considered for referral to a third-party collection agency and possible criminal prosecution.

Baccalaureate Degrees

Baccalaureate Degrees Overview

Seminole State College of Florida offers bachelor's degrees in the following fields:

- Business and Information Management, Bachelor of Science (B.S.)
    - Data Analytics Specialization
    - Entrepreneurship Specialization
    - Human Resources Specialization
    - Interdisciplinary Specialization
    - Social Media and E-Marketing Specialization

- Construction, Bachelor of Science (B.S.)
- Elementary Education (K-6), Bachelor of Science (B.S.)
- Engineering Technology, Bachelor of Science (B.S.)
    - Engineering and Project Management Specialization
    - Mechatronics and Robotics Specialization
    - Production and Design Specialization

- Exceptional Student Education (K-12), Bachelor of Science (B.S.)
- Health Sciences, Bachelor of Science (B.S.)
    - Clinical Science Specialization
    - Community Paramedic Specialization
    - Healthcare Management & Professional Services Specialization
    - Health Coaching & Human Performance Specialization
    - Respiratory Therapy & Clinical Leadership Specialization
    - Simulation in Healthcare Education Specialization

- Information Systems Technology, Bachelor of Science (B.S.)
    - Cyber Security Specialization
    - Programming Specialization

- Interior Design, Bachelor of Applied Science (B.A.S.)
- Management and Organizational Leadership, Bachelor of Applied Science (B.A.S.)
- Public Safety Administration, Bachelor of Science (B.S.)
- RN-to-BSN, Bachelor of Science (B.S.)

Seminole State College of Florida's baccalaureate degree programs are designed in a unique 2+2 model. Under the 2+2 model, students first earn an Associate's degree and continue on into a Bachelor's degree throughout their studies at Seminole State. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty review committee for selected degree programs. Students are encouraged to meet with a bachelor's degree specialist each term prior to registering for classes to ensure enrollment in the correct course sequence. Students accepted into any Baccalaureate degree program at Seminole State College of Florida must be college ready in English and Mathematics. Enrollment in developmental courses or EAP courses under and Baccalaureate degree program is prohibited.

Application Deadline

Admission documents must be submitted by these dates:

- **Fall 2022 Term:** FT & A Session - August 15, 12 W & B Session - September 7
- **Spring 2023 Term:** FT & A Session - January 3, 12 W & B Session - January 25
- **Summer 2023 Term:** May 1

Admissions Requirements for Baccalaureate Degree Students

Business and Information Management, Bachelor of Science (B.S.)

Applicants seeking admission to Seminole State College's Bachelor's degree programs must comply with the College's General Admissions procedure in the College Catalog. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Business and Information Management, Bachelor of Science degree contains the following specializations:
    - Data Analytics
    - Entrepreneurship

◦ Human Resources
◦ Interdisciplinary
◦ Social Media and E-Marketing

Applicants seeking admission to Seminole State College's Bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework.

- Completion of an Associate's degree or Bachelor's degree from a regionally accredited institution. Students who have earned a minimum of 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.0 or higher.
- Program Progression Requirements: Once admitted, students must achieve (or have achieved) a grade of "C" or higher in all required courses:
  ◦ ACG 2021 Principles of Financial Accounting
  ◦ ACG 2071 Principles of Managerial Accounting
  ◦ CGS 2100C Office Applications
  ◦ ECO 2013 Principles of Economics (MACRO)
  ◦ ECO 2023 Principles of Economics (MICRO)
  ◦ MAC 2233 Concepts of Calculus
  ◦ STA 2023 Statistical Methods I

Construction, Bachelor of Science (B.S.)

Applicants seeking admission into Seminole State's Bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework.

- Completion of an associate's degree, bachelor's degree (or higher) from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the department review committee.
- A GPA of 2.0 or higher.

- Program Progression Requirements:
  ◦ An Associate in Science (A.S.) degree in any one of the regionally accredited Florida programs listed below satisfies the Construction Technical Foundation program prerequisite requirements detailed in the Bachelor of Science (B.S.) Construction degree program for both admissions and graduation requirements. Students with any other degree must complete the Construction Technical Foundation courses with a grade of "C" or higher before starting the upper division Construction required core courses.
    o A.S., Architectural Design and Construction Technology (CIP 1615010100)
    o A.S., Building Construction Technology (CIP 1615100101)
    o A.S., Construction and Civil Engineering Technology (CIP 1615100102)
    o A.S., Construction Management (CIP 1646041201)
    o A.S., Construction Management (CIP 1646041200)

Elementary Education (K-6), Bachelor of Science (B.S.)

Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an associate's degree or bachelor's degree* from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.5 or higher.
- Complete EDF 2005 Introduction to Teaching course with a grade of "C" or higher.
- Program Progression Requirements: once admitted, students must achieve (or have achieved) a grade of "C" or higher in the following courses:
  ◦ EDF 2720
  ◦ EDE 2280

- ◦ EDG 2949
- ◦ EDF 2130

- Background screening requirements: Students must be able to pass background screening and fingerprinting requirements set forth by the FLDOE and local school districts not only to participate in field experiences and internships during coursework, but also to be eligible for Florida Educator Certification and for employment in any position that requires direct student contact.

*Note: Students who already have a bachelor's degree from a regionally accredited institution do not have to complete another BS degree to become a certified teacher in the State of Florida. There are alternative teacher certification pathways for individuals who have a BS outside the field of education. If you already have a BS degree, please email navarroa@seminolestate.edu.

Engineering Technology, Bachelor of Science (B.S.)

Applicants seeking admission into Seminole State's Bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework.

- Engineering Technology, Bachelor of Science degree contains the following specializations:
  - ◦ Engineering and Project Management
  - ◦ Mechatronics and Robotics
  - ◦ Production and Design

- Completion of an Associate's degree or Bachelor's degree (or higher) from a regionally accredited institution.
- Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.0 or higher.
- Program Progression Requirements: Once admitted, students must achieve (or have achieved) a grade of "C" or higher in the following courses:
  - ◦ *Production & Design Specializations*

- ■ ARC 1301 Architectural Design I
- ■ BCN 2230 Construction Materials and Methods
- ■ ETD 1340C Computer-Aided Design II
- ■ SUR 2101C Surveying

- ◦ *Mechatronics & Robotics Specialization*
  - ■ ETI 1420C Materials & Processes for Engineering Tech.
  - ■ ETI 1843C Motors and Controls
  - ■ ETM 1010C Mechanical Measurement & Instrumentation
  - ■ ETM 2315C Hydraulic and Pneumatic Systems

- ◦ *Engineering and Project Management Specialization (choose one group)*
  - ■ ARC 1301 Architectural Design I
  - ■ BCN 2230 Construction Materials and Methods
  - ■ ETD 1340C Computer-Aided Design II
  - ■ SUR 2101C Surveying

- ◦ Or
  - ■ ETI 1420C Materials & Processes for Engineering Tech.
  - ■ ETI 1843C Motors and Controls
  - ■ ETM 1010C Mechanical Measurement & Instrumentation
  - ■ ETM 2315C Hydraulic and Pneumatic Systems

- ◦ *All Specializations*
  - ■ MAC 2233 Concepts of Calculus OR MAC 2311 Analytic Geometry and Calculus I or higher
  - ■ STA 2023 Statistical Methods OR MAC 2312 Analytic Geometry w/ Calculus II or higher
  - ■ PHY 1053C Physics I (or higher level)

Exceptional Student Education (K-12), Bachelor of Science (B.S.)

Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following

program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an associate's degree or bachelor's degree* from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.5 or higher.
- Complete EDF 2005 Introduction to Teaching course with a grade of "C" or higher.
- Program Progression Requirements: once admitted, students must achieve (or have achieved) a grade of "C" or higher in the following courses:
    - EDF 2720
    - EDE 2280
    - EDG 2949
    - EDF 2130

- Background screening requirements: Students must be able to pass background screening and fingerprinting requirements set forth by the FLDOE and local school districts not only to participate in field experiences and internships during coursework, but also to be eligible for Florida Educator Certification and for employment in any position that requires direct student contact.

*Note: Students who already have a bachelor's degree from a regionally accredited institution do not have to complete another BS degree to become a certified teacher in the State of Florida. There are alternative teacher certification pathways for individuals who have a BS outside the field of education. If you already have a BS degree, please email navarroa@seminolestate.edu.

Health Sciences, Bachelor of Science (B.S.)

Applicants seeking admission into Seminole State's Bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework.

- Health Sciences, Bachelor of Science degree contains the following specializations:

    - Clinical Science
    - Community Paramedic
    - Health Coaching & Human Performance
    - Healthcare Management & Professional Services
    - Respiratory Therapy & Clinical Leadership
    - Simulation in Healthcare Education

- Completion of an Associate's degree or Bachelor's degree (or higher) from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.0 or higher in previous coursework.
- An Associate of Science (AS) or an Associate in Applied Science (AAS) in a health-related field from a regionally accredited institution satisfies the Foundation requirements detailed in the Bachelor of Science (BS) Health Science degree program. Students with any other degree must complete the Foundation courses with a grade of "C" or higher.

> **Associate in Arts degree**: Students entering with an AA degree from a regionally accredited institution will be required to complete the foundation courses listed for the degree. Some foundation courses may be waived if a student possesses a medical industry certificate. This certificate and official transcripts must be submitted to the Registrar's office and reviewed by the department for consideration to the program.
>
> **Associate in Science or Associate in Applied Science, Health-related area**: Students entering with an AS or AAS in a health-related area from a regionally accredited institution will be required to complete any additional general education courses to meet the 36 credit hour requirement within the different categories.
>
> **Associate in Science or Associate in Applied Science, Non-Health related area**: Students entering with an AS or AAS

in a non-health related area from a regionally accredited institution will be required to complete any additional general education courses to meet the 36 credit hour requirement within the different categories. This student will also be required to complete the "Foundation" courses as listed in the program plan.

Please note: Students who are required to participate in clinical rotations or internships may be required to pass a criminal background check and/or drug screen as per the organization's requirement.

- **Respiratory Therapy and Clinical Leadership**
  - Completion of a CoARC accredited Respiratory Therapy program.
  - Eligibility for licensure from the National Board for Respiratory Care and/or licensed as an RRT from the National Board for Respiratory Care.

- **Community Paramedic**
  - Completion of a Florida Department of EMS approved paramedic program or eligibility for certification as a Florida recognized paramedic or certified as a Florida recognized paramedic.

Information Systems Technology, Bachelor of Science (B.S.)

Applicants seeking admission into Seminole State's Bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework.

- Completion of an Associate's degree or Bachelor's degree (or higher) from a regionally accredited institution.
- Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.0 or higher.
- Program progression requirements: Once admitted, students must achieve (or have achieved) a grade of "C" or higher in the

following courses:
  - *Programming and Cyber Security Specializations*:
    - CET 1179 Network Concepts and Operating Systems
    - CET 1600C Cisco Networking Fundamentals (Net+)
    - CGS 2545C Database Management
    - COP 1000 Principles of Computer Programming
    - ECO 2023 Principles of Economics (MACRO) or ECO 2013 Principles of Economics (MICRO)
    - MAC 1105 College Algebra or higher
    - STA 2023 Statistical Methods or MAC 1114 or higher level mathematics course

Interior Design, Bachelor of Applied Science (B.A.S.)

Applicants seeking admission into Seminole State's Bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework.

- Completion of an Associate's degree or Bachelor's degree (or higher) from a regionally accredited institution.
- Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.0 or higher.
- Program Progression Requirements:
  - An Associate in Science (A.S.) degree in Interior Design Technology (CIP 1450040801) from a regionally accredited Florida institution satisfies the Interior Design Technical Foundation program prerequisite requirements detailed in the Bachelor of Applied Science (B.A.S.) Interior Design degree program for both admissions and graduation requirements. The program must also be approved by the Florida Board of Architecture and Interior Design.

- Once admitted, students with any other degree must complete the Interior Design Technical Foundation courses with a grade of "C" or higher before starting the Advanced Interior Design required core courses.

Management and Organizational Leadership, Bachelor of Applied Science (B.A.S.)

Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an associate's degree or bachelor's degree from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.0 or higher.
- Program Progression Requirements: once admitted, students must achieve (or have achieved) a grade of "C" or higher in the following courses:
  - ACG 2021 Principles of Financial Accounting
  - ACG 2071 Principles of Managerial Accounting
  - CGS 2100C Computer Applications
  - STA 2023 Statistical Methods I
  - MAC 1105 College Algebra

Public Safety Administration, Bachelor of Science (B.S.)

Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an associate's degree, bachelor's degree (or higher) from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may

request to have their admission reviewed and determined by the department review committee.
- A GPA of 2.0 or higher

Program Progression Requirements:
An Associate in Science (A.S.) degree in one of the following from Seminole State College: Fire Science, Criminal Justice or Emergency Medical Services satisfies the Public Safety foundation course prerequisite requirements for the track it aligns to in the bachelor's degree program. Students with A.A. degrees will also be eligible for admission but, will be required to complete foundation courses that align with their chosen specialization track. Students with A.S. degrees from other institutions or in other fields of study will need their transcripts reviewed to determine placement. Students that have an A.S. in Fire Science, Criminal Justice or Emergency Medical Services that choose to pursue a different specialization track than what their A.S. degree is in will need to have their transcripts reviewed and prior coursework evaluated by Admissions and/or the Program Manager.

Contact Admissions at 407.708.4550 if you have additional questions about applying to the program.

RN-to-BSN, Bachelor of Science (B.S.)

Students may begin the RN-to-BSN program three times each year in August (Term I), in January (Term II), or in May (Term III). Interested persons must first be admitted to Seminole State before registering for RN-to-BSN coursework. The dates for application may vary.

The nursing program has specific requirements for admission. Candidates must:

- Graduate from a regionally accredited Associate in Science Degree Nursing or Diploma in Nursing program and be eligible to sit for the National Council Licensing Examination (NCLEX RN), or hold an active RN license;
- Apply and be accepted to Seminole State College;
- GPA of 2.5 or higher;
- Attain a grade of "C" or higher in all General Education course requirements.
- All nursing courses are taught in a distance

format. Students must have access to a computer with Internet capabilities while enrolled in the program.

- An active unencumbered RN license is required prior to the Capstone course at the end of the program.

NOTE: Students accepted into any Baccalaureate Degree at Seminole State College of Florida must be College ready in English and Mathematics. Enrollment in developmental courses or EAP courses under the Baccalaureate Degree is prohibited.

Graduation Requirements for Baccalaureate Degree Students

Seminole State College baccalaureate degree candidates must satisfy these institutional and degree requirements:

1. Complete a minimum 120 credits or as designated by program academic hours with a grade point average (GPA) of 2.0 excluding courses designated by an asterisk (*) in the course description section of this catalog (college preparatory level courses, technical non-transfer and vocational level courses).
2. Complete at least 25 percent of the total degree requirements at Seminole State College (e.g., a 120 semester-hour degree requires at least 30 semester hours completed at Seminole State College).
3. Students must be enrolled in coursework at Seminole State during the semester of graduation.
4. Achieve a Seminole State College GPA of 2.0 ("C") or higher.
5. Complete any required capstone courses with a grade of "C" or higher.
6. Successfully complete or satisfy Seminole State's General Education requirements (with a grade of "C" or higher) including the following:
   a. Six semester hours of Gordon Rule English coursework.
   b. Six semester hours of additional Gordon Rule coursework in which the student is required to demonstrate college-level writing skills through multiple assignments.
   c. Six semester hours of Gordon Rule mathematics coursework at the level of college algebra or higher.
   Note: Seminole State requires that students satisfy the Gordon Rule by successfully completing General Education coursework in English, humanities, social sciences and history, as well as a mathematics course.

   d. Students awarded an Associate in Arts degree, baccalaureate degree or who have official transcripts documenting "General Education Requirements Met" from a Florida College System or Florida State University System degree-granting institution shall be considered to have satisfied Seminole State's General Education requirements.
   e. Students awarded a baccalaureate degree from a regionally accredited institution shall be considered to have satisfied Seminole State's General Education requirements.

7. Demonstrate foreign language proficiency (at the intermediate level) equivalent to two years in high school or a sequence of two college credit courses in a single language. A standardized examination for foreign language may be used to meet the requirement. Students who have previously received a baccalaureate degree from a regionally accredited institution are exempt from this requirement.
8. Beginning in the 2022-2023 academic year and thereafter, students entering baccalaureate degree programs must complete at least one identified core course in each section as part of the State of Florida general education course requirements. Please refer to the General Education Core Course page, https://www.seminolestate.edu/catalog/student-info/graduation-requirements/general-education-state-core-courses in the College Catalog for additional information.
9. Beginning in the 2021-2022 academic year and thereafter, students entering a Florida public institution as a Baccalaureate (B.S. & B.A.S) degree seeking student must fulfill Civic Literacy Competency by completing both a civic literacy course *and* exam. Please refer to the Civic Literacy Requirement page, https://www.seminolestate.edu/catalog/student-info/graduation-requirements/civic-literacy-requirement in the College Catalog for additional information.
10. Have on file in the Records and Registration Office official transcripts of all college work previously taken at other colleges or universities.
11. File an Intent to graduate form in the Records and Registration Office by the published deadline date on the College academic calendar.

12. Pay all fees and discharge all other obligations to the complete satisfaction of the College.

13. The student is not eligible for graduation until all grades of "I" have been removed from the academic record.

14. It is the student's sole responsibility to ensure that his/her program plan is correct and current for the semester that he/she graduates. The College will not automatically change the student's program plan if it is not accurate, so we encourage students to meet with a baccalaureate student success specialist prior to the start of his/her final term of enrollment.

Academic Programs and Pathways

Academic Schools

Seminole State's Academic Affairs Division is divided into three schools:

- School of Arts and Sciences
- School of Business, Health and Public Safety
- School of Construction, Design, Engineering and Information Technologies

School of Arts and Sciences

The School of Arts and Sciences is a diverse scholarly community that promotes a foundation of reasoned inquiry that enables students to develop philosophical, ethical, scientific and artistic knowledge. The School offers the core academic courses for students who are pursuing associate or bachelor's degrees from Seminole State.

General Education Mission Statement:

Seminole State College's General Education program offers a broad liberal arts education. Courses in Communication, Humanities, Mathematics, Natural Sciences, and Social Sciences encourage intellectual curiosity and life-long learning while fostering creative problem-solving and critical-thinking skills. Seminole State College students develop the knowledge necessary to engage as citizens in diverse local, national, and global communities.

The School is subdivided into the following departments:

- Arts and Communications
- Biological Science
- Early Childhood Education
- English
- Honors Institute
- Humanities and Modern Languages
- Mathematics
- Physical Science
- Social Science

School of Business, Health and Public Safety

The School of Business, Health and Public Safety provides educational pathways to high demand and high wage careers that enable individuals to be financially self-sufficient. These programs strengthen the region's economic health and prepare individuals for lifelong rewarding careers. Central Florida's major employers participate as advisory board members, helping to design curricula so that graduates are able to integrate technical skills, critical thinking and leadership. Each of the programs readies graduates for immediate employment in their career field and provides the option to continue their education to a bachelor's degree.

The School is home to the following professional disciplines:

- Accounting
- Business and Entrepreneurship
- Healthcare
- Hospitality
- Legal Studies
- Nursing
- Public Safety

School of Construction, Design, Engineering and Information Technologies

The School of Construction, Design, Engineering and Information Technologies provides a wide range of educational pathways from professional bachelor's degrees, workforce-ready associate of science programs to short-term technical career certificates in the built environment and emerging technologies. Specialized Centers within the School offers individualized instructional programs for the adult learner seeking academic foundation skills or to further develop proficiency in the English language. Through an Integrated Education and Training (IET) approach, adult learners are offered an opportunity to dual-enroll in a career certificate program.

Effective communication, problem-solving, collaboration and leadership skills are core goals of the School and are emphasized across all disciplines. Active industry involvement drive curriculum and provide experiential learning opportunities for students such as internships, field trips and humanitarian service-learning. The

project-based learning model incorporates real-world project simulations and hands-on applications necessary for immediate entry into the workforce.

The School is home to the following professional disciplines:

- Computer Programming and Analysis
- Construction and Construction Management
- Digital Media
- Engineering Technology
- Information Systems Technology
- Interior Design
- Project Management (Post-BACC certificate)

Workforce Education and short-term career certificate programs include:

- Automotive Engineering Technology
- Building Trades Technology
- Construction Apprenticeship programs in Fire Sprinkler

- Electrician Helper
- Heating, Ventilation, Air-Conditioning, and Refrigeration
- Plumbing

Adult Education and preparation programs include:

- Adult General Education (ABE)
- General Education Development (GED) preparation

English Language Studies programs and courses help students reach personal, educational and professional goals include:

- English for Academic Purposes (EAP)
- English Language Institute (ELI)
- English for Speakers of Other Languages (ESOL)

Academic Options

At Seminole State, you will find many options for your academic future:

Applied Technology Diploma (A.T.D.) – A college credit program designed to prepare students for employment.

Associate in Applied Science (A.A.S.) degree – The Associate in Applied Science (A.A.S.) degree is designed for students with clearly defined career goals. The A.A.S. prepares graduates for immediate entry into a specialized technical or semi-professional career field where students can achieve expertise and mastery of practical performance. These degrees enable graduates to be financially self-sufficient. These programs strengthen the region economically and prepare individuals for rewarding careers. Central Florida's major employers participate as advisory board members, helping to design curricula so that graduates are able to integrate technical skills, critical thinking, leadership and academic coursework. The A.A.S. is not intended to be a transfer program. However, in selected cases, some state colleges will accept the A.A.S. into a general baccalaureate degree. **Note:** At this time, the only A.A.S. degree program being offered at Seminole State is Automotive Engineering Technology. Students should consult with the career program advisor for the Automotive Department.

Associate in Arts (A.A.) degree – A two-year college credit degree program that is designed for transfer. The general A.A. degree is awarded by state/community colleges upon completion of 60 credit hours of study including the completion of at least 36 hours of general education coursework. Students planning to transfer from Seminole State to another college or university should complete the requirements for the general A.A. degree. Like all colleges in the Florida College System, Seminole State awards the general Associate in Arts degree. The State of Florida Articulation Coordinating Committee establishes and annually updates a list of common prerequisites for every baccalaureate degree program within the Florida state university and state college systems. Please note that these common prerequisites are for information purposes ONLY and are not a substitute for academic advising.

Associate in Science (A.S.) degree – Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into careers that enable graduates to be financially self-sufficient. These programs strengthen the region economically and prepare individuals for rewarding careers. Central Florida's major employers participate as advisory board members, helping to design curricula so that graduates are able to integrate technical skills, critical thinking, leadership and academic coursework. In addition to entering the workforce, the A.S. degree provides students the option to continue their education in a bachelor's degree program at Seminole State or one of the state universities such as University of Central Florida (UCF) while working in their career fields. Students planning to transfer into a baccalaureate program should consult with a baccalaureate degree specialist.

Bachelor of Applied Science (B.A.S.) degree – A four-year college credit degree program designed to prepare students for advancement within specific workforce sectors.

Bachelor of Science (B.S.) degree – A four-year degree (typically 120 credit hours, with some exceptions) with a scientific emphasis.

Certificate of Professional Preparation (C.P.P.) – A college credit certificate designed to prepare baccalaureate degree holders for licensure, certification, credentialing, examinations or other demonstrations of competency necessary for entry into professional occupations.

Technical certificate (college credit) – These short-term programs range from 12 to 36 credits and are designed as stepping stones to an A.S. degree and a career. As students complete each program, they receive a technical certificate which documents the skills they've learned and enhances their marketability as they advance toward the A.S. degree.

Institutional Credit (E.P.I.) – A competency-based program that provides baccalaureate degree holders in a field other than education the opportunity to become certified K-12 teachers.

Career certificate (previously called P.S.A.V.) - Career certificates are typically one year in length or less. Some Career programs may be as short as 165 contact hours. Career certificate programs are not for college credit. Career certificate programs prepare graduates for immediate entry into specific skill-based occupations such as air conditioning technician and automotive technician. In many cases, the career certificate graduate may transition into related A.S. degree programs at Seminole State.

School of Arts and Sciences

Bachelor of Science

- Elementary Education
- Exceptional Student Education K-12

Associate in Arts

- Accounting Pathway
- Actuarial Science Pathway
- Advertising/Public Relations Pathway
- Advertising: Persuasive Msg Pathway
- Aerospace Engineering Pathway
- Agricultural Operations Pathway
- Anthropology Pathway
- Architecture Pathway
- Art - BFA Emerging Media Pathway
- Art Education Pathway
- Art Studio Pathway
- Associate in Arts Degree
- Biology Education Pathway
- Biology Pre-Professional Pathway
- Biomedical Sciences Pathway
- Biotechnology Pathway
- Career and Technical Education Pathway
- Chemistry Education Pathway
- Chemistry Pathway
- Civil Engineering Pathway
- Clinical Science Pathway
- Communication Sciences Pathway
- Computer Engineering Pathway
- Computer Science Pathway
- Construction AA Prereqs Pathway
- Construction Engineering Pathway
- Criminal Justice Pathway
- Data Sciences Pathway
- Digital Arts & Science Pathway
- Digital Media Pathway
- Early Childhood Education Pathway
- Economics - Business Track Pathway
- Economics-Liberal Arts Track Pathway
- Educational Sciences Pathway
- Electrical Engineering Pathway
- Elementary Education Pathway
- English Creative Writing Pathway
- English Language Arts Educ Pathway
- English Literature Pathway
- English Tech Communication Pathway
- Entertainment Management Pathway
- Environmental Engineering Pathway
- Environmental Management Pathway
- Environmental Studies Pathway
- Event Management Pathway
- Exceptional Student Education Pathway
- Finance Pathway
- Fire & Emergency Services Pathway
- Forensic Science Pathway
- General Business Pathway
- Geography Pathway
- Geology Pathway
- Health Coaching Pathway
- Health Education & Behavior Pathway
- Health Information Management Pathway
- Health Sciences- Pre-Clinical Pathway
- Health Services Administration Pathway
- Healthcare Mgmt & Prof Service Pathway
- History Pathway
- Hospitality Management Pathway
- Human Communication Pathway
- Humanities Pathway
- Industrial Engineering Pathway
- Information Systems Technology Pathway
- Information Technology Pathway
- Interior Design Pathway
- International and Global Pathway
- Journalism Pathway
- Journalism: Sports & Media Pathway
- Kinesiology Pathway
- Legal Studies Pathway
- Management Pathway
- Marine Biology Pathway
- Marketing Pathway
- Materials Science Engineering Pathway
- Mathematics Education Pathway
- Mathematics Pathway
- Mechanical Engineering Pathway
- Media Production & Management Pathway
- Medical Laboratory Sciences Pathway
- Meteorology Pathway
- Music Education Pathway
- Music Pathway
- Non-Profit Management Pathway
- Nursing AA pre-major Pathway
- Nutritional Sciences Pathway
- Pharmacy Pathway
- Photonic Science and Engineer Pathway
- Physical Education Pathway
- Physics Education Pathway

- Physics Pathway
- Political Science - Pre Law Pathway
- Psychology Pathway
- Public Administration Pathway
- Public Relations Pathway
- Real Estate Pathway
- Simulation in Healthcare Educ Pathway
- Social Science Education Pathway
- Social Sciences Pathway
- Social Work Pathway
- Sociology Pathway
- Spanish Education Pathway
- Sports Management Pathway
- Statistics Pathway
- Telecom Media & Society Pathway
- Theatre Pathway
- Tourism: Event & Recr Mgmt Pathway
- Visual Arts and Emerging Media Pathway

Associate in Science

- Digital Cinema and Television Production
- Early Childhood Education
- STEM

Technical Certificate

- Child Care Center Management Specialization
- Digital Video Fundamentals
- Early Childhood Education Early Intervention Specialist
- Early Childhood Education Infant/Toddler Specialization
- Early Childhood Education, Preschool Specialization
- Instructional Design
- Stage Technology
- Video Editing and Post Production

Certificate of Achievement

- Educator Preparation Institute Certificate of Completion

Gen Ed Core Denotes that a class is a State of Florida General Education Core Course.

Beginning in the 2022-23 academic year and thereafter, students entering associate in arts, associate in science or associate in applied science, or baccalaureate degree programs must complete at least one (1) course from each of the general education subject areas listed in this section prior to the awarding of their degree. Please refer to this catalog's Graduation Requirements section for specific requirements on the General Education Core Courses .

Civic Lit Denotes that a class counts toward the course Civic Literacy Requirement.

The State of Florida requires that all students graduating from Seminole State College of Florida and other institutions in the Florida College System (FCS), as well as from any State University System (SUS) institution, fulfill a Civic Literacy Competency requirement prior to submitting an Intent to Graduate form in the term they plan to graduate. Requirements vary based on admit term and program. Please refer to this catalog's Graduation Requirements section for specific requirements on the Civic Literacy Proficiency Requirement.

Foreign Language Proficiency

Per Florida Statute 1007.25, "Beginning with students initially entering a Florida College System institution or state university in 2014-2015 and thereafter, coursework for an associate in arts degree shall include demonstration of competency in a foreign language." Please refer to this catalog's Graduation Requirements section for specific requirements on Foreign Language Proficiency.

Students enrolled in Seminole State College's baccalaureate degree programs must demonstrate foreign language proficiency. Students who have previously received a baccalaureate degree from a regionally accredited institution are exempt from this requirement. Please refer to this catalog's Graduation Requirements section for specific requirements on Foreign Language Proficiency.

Elementary Education
Bachelor of Science

Major Code: ELEMED-BS CIP: 1101312021

Program Description

The Bachelor of Science in Elementary Education (K-6) at Seminole State College of Florida prepares students to become certified Elementary Education K-6 teachers and provides the local school district with a pool of qualified teachers to fill the county's vacancies. This program is a 2+2 program with Seminole State's existing Associate of Arts in Education degree. Students will graduate with a teaching certificate in Elementary Education K-6, as well as an ESOL and Reading Endorsement.

Graduates will be eligible to teach kindergarten, all elementary grade levels, and sixth grade in middle school. Additionally, graduates can pursue advanced degrees to expand their employment opportunities. Opportunities for graduates may also include positions outside the traditional public-school setting, and opportunities in careers in publishing, literacy, and instructional design.

Program coursework for the bachelor's degree in Elementary Education will include content-area knowledge, instructional design, teaching methods, classroom management, diverse populations, assessment, special education, human development, continuous improvement, and professional responsibility, as well as Reading endorsement competencies and ESOL endorsement standards. Students will participate in field experiences that may include observing, service learning, volunteering, interning, and tutoring. These required field experiences will take place in Seminole County Public Schools classrooms and provide real-world teaching experience allowing students to hone their teaching skills alongside learning from a mentor.

Program Admission

Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an associate's degree or bachelor's degree* from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.5 or higher.
- Complete EDF 2005 Introduction to Teaching course with a grade of "C" or higher.
- Program Progression Requirements: once admitted, students must achieve (or have achieved) a grade of "C" or higher in the following courses:
  - EDF 2720
  - EDE 2280
  - EDG 2949
  - EDF 2130

- Background screening requirements: Students must be able to pass background screening and fingerprinting requirements set forth by the FLDOE and local school districts not only to participate in field experiences and internships during coursework, but also to be eligible for Florida Educator Certification and for employment in any position that requires direct student contact.

*Note: Students who already have a bachelor's degree from a regionally accredited institution do not have to complete another BS degree to become a certified teacher in the State of Florida. There are alternative teacher certification pathways for individuals who have a BS outside the field of education. If you already have a BS degree, please email navarroa@seminolestate.edu.

Career Opportunities

Career Opportunities

Graduates will be eligible to teach kindergarten, all elementary grade levels, and sixth grade in middle school. Additionally, graduates can pursue advanced degrees to expand their employment opportunities. Within education, opportunities for graduates also include administrative and leadership roles, positions outside the traditional public-school setting, and opportunities in careers in publishing, literacy, and instructional design.

The Florida DEO projections indicate a total of **282 jobs are open annually** for kindergarten teachers, elementary teachers, and middle school teachers requiring a bachelor's degree within Seminole County. New beginning teacher salary is $46,310 for Seminole County Public Schools.

Required Courses   60 Credits

Students must complete all Required Courses with a grade of "C" or higher.

EDG	3622	Foundations of Teaching	3 Credits
RED	3011	Principles of Reading Instruction	3 Credits
MAE	3310	Teaching Mathematics I	3 Credits
LAE	3414	Children's Literature	3 Credits
TSL	4520	ESOL Foundations: Language and Culture	3 Credits
SCE	3310	Teaching Science	3 Credits
SSE	3312	Teaching Social Science	3 Credits
LAE	4314	Teaching Language Arts	3 Credits
RED	4519	Diagnostic and Instructional Interventions in Reading	3 Credits
EEX	4601	Introduction to Behavior Management	3 Credits
EDF	4430	Measurement, Evaluation, and Assessment in Education	3 Credits
TSL	4100	ESOL Curriculum, Methods, and Assessment	3 Credits
RED	4942	Practicum for Assessment and Instruction of Reading	3 Credits
MAE	4311	Teaching Mathematics II	3 Credits
EEX	4070	Teaching Exceptional Students	3 Credits

Internship/Seminar courses: EDE 4941, EDE 4943, EDE 4936

In order to enroll in the following courses, students must pass all three (3) components of the Florida Teacher Certification Exam. For more information, please visit https://www.seminolestate.edu/education for baccalaureate testing requirements.

EDE	4941	Pre-Internship Field Experience I	3 Credits
EDE	4943	Student Teaching Internship II	9 Credits
EDE	4936	Seminar in Elementary Education	3 Credits

Foundation Courses   15 Credits

Students must complete all Foundation Courses with a grade of "C" or higher.

EDF	2005	Introduction to the Teaching Profession	3 Credits

EDF 2005 must be taken prior to being accepted into the program.

EDF	2720	Children in Schools: Legal, Ethical and Safety Concerns	3 Credits
EDE	2280	Arts and Wellness in Elementary Classrooms	3 Credits
EDG	2949	Practicum in Education	3 Credits
EDF	2130	Children and Adolescent Development for Educators	3 Credits

Any Upper or Lower Division Electives

9 Credits

Any college credit course not required exclusive of courses with a number beginning with zero or designated as non-transfer. The following courses are recommended:

EDF	2085	Introduction to Diversity for Educators	3 Credits
EME	2040	Introduction to Technology for Educators	3 Credits
EDF	2007	Introduction to Substitute Teaching	3 Credits

General Education Courses   36 Credits

Communication - Must take one Core Course
9 Credits

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits
SPC	1608	Speech Communication		3 Credits

Humanities - Must take one Core Course
6 Credits

Three credits from Area A and three credits from Area B

6 Credits

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2022H	Honors Liberal Arts Humanities		3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits
HUM	2232	Renaissance/Baroque Humanities		3 Credits
HUM	2234	18th and 19th Century Humanities		3 Credits
HUM	2250	20th/21st Century Humanities		3 Credits
HUM	2250H	Honors 20th/21st Century Humanities		3 Credits
HUM	2322	Women, Gender and Culture		3 Credits
HUM	2322H	Honors Women, Gender and Culture		3 Credits
HUM	2410	Asian Humanities		3 Credits
HUM	2410H	Honors Asian Humanities		3 Credits
HUM	2454	African American Humanities		3 Credits
HUM	2454H	Honors African American Humanities		3 Credits
HUM	2461	Latin American Humanities		3 Credits
HUM	2461H	Honors Latin American Humanities		3 Credits
HUM	2821	LGBTQ Studies in the Humanities		3 Credits
PHI	1630	Contemporary Ethical Problems		3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits

REL	2300	Religions of the World		3 Credits

Artistic and Literary Humanities Area B

AML	2010	American Literature I		3 Credits
AML	2020	American Literature II		3 Credits
AML	2600	Survey of African American Literature		3 Credits
ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
ARH	2050	Art History I		3 Credits
ARH	2051	Art History II		3 Credits
ENG	2100	The Art of Film		3 Credits
ENG	2103	World Cinema		3 Credits
ENL	2012	British Literature I		3 Credits
ENL	2022	British Literature II		3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
LIT	2090	Contemporary Literature		3 Credits
LIT	2090H	Honors Contemporary Literature		3 Credits
LIT	2120	World Literature II		3 Credits
LIT	2120H	Honors World Literature II		3 Credits
MUH	2022	History of Rock Music		3 Credits
MUH	2026	Introduction to Blues and Jazz		3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
MUL	2014	Introduction to Music History and Literature		3 Credits
THE	1304	Script Analysis		3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits
THE	2239	The Development of African American Theatre		3 Credits

Social Science and History - Must take one Core Course

9 Credits

Courses must be taken from three areas. Three credits must be taken from History

Social Science General Education course

6 Credits

Area A Anthropology

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits

Area B Economics

ECO	1000	Basic Economics		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2013H	Honors Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Area C Geography

GEA	1000	World Regional Geography	3 Credits
GEO	1200	Introduction to Physical Geography	3 Credits

Area D Political Science

CPO	1421	Politics, Society, and Islam		3 Credits
INR	2002	International Relations		3 Credits
INR	2002H	Honors International Relations		3 Credits
PAX	2000	Introduction to Peace Studies		3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core Civic Lit	3 Credits

POS	2041H	Honors U.S. Federal Government	Gen Ed Core Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
POT	2002	Political Theory		3 Credits
POT	2002H	Honors - Political Theory		3 Credits
POT	2301	Political Ideology - Introduction		3 Credits
PUP	2230	Energy and Environmental Policy		3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior		3 Credits
CLP	2140	Abnormal Psychology		3 Credits
DEP	2004	Developmental Psychology		3 Credits
INP	2002	Introduction to Industrial Psychology		3 Credits
PPE	2001	Psychology - Introduction to Personality		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2012H	General Psychology Honors	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2000H	Honors Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2110H	Honors Introduction to Social Research		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits

SYG	2430	Marriage and the Family		3 Credits
SYP	2512	Sociology of Deviance		3 Credits

History   3 Credits

AMH	2010	United States History to 1865		3 Credits
AMH	2010H	Honors United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core Civic Lit	3 Credits
AMH	2020H	Honors United States History 1865 to Present	Gen Ed Core Civic Lit	3 Credits
AMH	2035	The United States 1945 to Present		3 Credits
AMH	2070	History of Florida		3 Credits
AMH	2090	United States Women's History		3 Credits
AMH	2090H	Honors United States Women's History		3 Credits
AMH	2091	African American History		3 Credits
EUH	2000	Western Civilization to 1600		3 Credits
EUH	2000H	Honors Western Civilization to 1600		3 Credits
EUH	2001	Western Civilization 1600 to Present		3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present		3 Credits
HPS	2100H	Honors History Meets Science		3 Credits
LAH	2020	Latin American History		3 Credits
WOH	1022	World History Since 1500		3 Credits
WOH	2232	Survey of Early Christianity		3 Credits

Mathematics – Must take one Core Course
6 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits

MAC	1147	Precalculus Algebra/ Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Natural Science – Must take one Core Course
6 Credits

Courses must be taken from two different areas
   Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

   Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits
MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Area C Physical Science

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits
PSC	2521	Sustainability: Concepts and Issues		3 Credits

Total Credits: 120

Exceptional Student Education K-12 Bachelor of Science

Major Code: EXCEPED-BS CIP: 1101310011

Program Description

The Bachelor of Science in Exceptional Student Education K-12 at Seminole State College of Florida prepares students to become certified Exceptional Student Education K-12 teachers and provides the local school district with a pool of qualified teachers to fill the county's vacancies. This program is a 2+2 program with Seminole State's existing Associate of Arts in Education degree. Students will graduate with a teaching certificate in Exceptional Student Education K-12, as well as an ESOL and Reading Endorsement.

Graduates will be eligible to teach exceptional student education in grades K-12 (Special Education-Preschool, Special Education Teacher-Kindergarten and Elementary, and Special Education Teachers-All other). Additionally, graduates can pursue advanced degrees to expand their employment opportunities. Opportunities for graduates may also include positions outside the traditional public-school setting, and opportunities in careers in publishing, literacy, and instructional design.

Coursework includes content-area knowledge, instructional design, teaching methods, classroom management, diverse populations, assessment, special education, human development, continuous improvement, and professional responsibility, as well as Reading endorsement competencies and ESOL endorsement standards. Students will participate in field experiences that may include

observing, service learning, volunteering, interning, and tutoring. These required field experiences will take place in Seminole County Public Schools classrooms and provide real-world teaching experience allowing students to hone their teaching skills alongside learning from a mentor.

Program Admission

Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an associate's degree or bachelor's degree* from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.5 or higher.
- Complete EDF 2005 Introduction to Teaching course with a grade of "C" or higher.
- Program Progression Requirements: once admitted, students must achieve (or have achieved) a grade of "C" or higher in the following courses:
  - EDF 2720
  - EDE 2280
  - EDG 2949
  - EDF 2130

- Background screening requirements: Students must be able to pass background screening and fingerprinting requirements set forth by the FLDOE and local school districts not only to participate in field experiences and internships during coursework, but also to be eligible for Florida Educator Certification and for employment in any position that requires direct student contact.

*Note: Students who already have a bachelor's degree from a regionally accredited institution do not have to complete another BS degree to become a certified teacher in the State of Florida. There are alternative teacher certification pathways for individuals who have a BS outside the field of education. If you already have a BS degree, please email navarroa@seminolestate.edu.

Career Opportunities
Career Opportunities

Graduates will be eligible to teach exceptional student education in grades K-12 (Special Education-Preschool, Special Education Teacher-Kindergarten and Elementary, and Special Education Teachers-All other. Additionally, graduates can pursue advanced degrees to expand their employment opportunities. Within education, opportunities for graduates also include administrative and leadership roles, positions outside the traditional public-school setting, and opportunities in careers in publishing, literacy, and instructional design.

The Florida DEO projections indicate **total of 25 jobs are open annually** for special education preschool teachers (20.8% growth), special education kindergarten and elementary teachers (14.3% growth), and "all other" special teachers (14.72% growth) requiring a bachelor's degree within Seminole County. New beginning teacher salary is $46,310 for Seminole County Public Schools.

Required Courses   60 Credits

Students must complete all Required Courses with a grade of "C" or higher.

EDG	3622	Foundations of Teaching	3 Credits
EEX	4070	Teaching Exceptional Students	3 Credits
EEX	4601	Introduction to Behavior Management	3 Credits
RED	3011	Principles of Reading Instruction	3 Credits
TSL	4520	ESOL Foundations: Language and Culture	3 Credits
EEX	3261	Instructional Practices for Exceptional Students	3 Credits
EEX	4220	Assessment in Exceptional Education	3 Credits
RED	4519	Diagnostic and Instructional Interventions in Reading	3 Credits
LAE	4314	Teaching Language Arts	3 Credits

MAE	3310	Teaching Mathematics I	3 Credits
EDF	4430	Measurement, Evaluation, and Assessment in Education	3 Credits
TSL	4100	ESOL Curriculum, Methods, and Assessment	3 Credits
EEX	3240	Academics for Exceptional Students	3 Credits
EEX	4753	Family and Community Involvement in Education	3 Credits
RED	4942	Practicum for Assessment and Instruction of Reading	3 Credits
EEX	3940	Pre-Internship Field Experience I Exceptional Education	3 Credits
EEX	4946	Student Teaching Internship II Exceptional Education	9 Credits
EEX	4930	Seminar in Exceptional Education	3 Credits

Internship/Seminar courses: EEX 3940, EEX 4946, EEX 4930

In order to enroll in the following courses, students must pass all three (3) components of the Florida Teacher Certification Exam. For more information, please visit https://www.seminolestate.edu/education for baccalaureate testing requirements.

EEX	3940	Pre-Internship Field Experience I Exceptional Education	3 Credits
EEX	4946	Student Teaching Internship II Exceptional Education	9 Credits
EEX	4930	Seminar in Exceptional Education	3 Credits

Foundation Courses   15 Credits

Students must complete all Foundation Courses with a grade of "C" or higher.

EDF	2005	Introduction to the Teaching Profession	3 Credits

EDF 2005 must be taken prior to being accepted into the program.

EDF	2720	Children in Schools: Legal, Ethical and Safety Concerns	3 Credits
EDE	2280	Arts and Wellness in Elementary Classrooms	3 Credits
EDG	2949	Practicum in Education	3 Credits
EDF	2130	Children and Adolescent Development for Educators	3 Credits

Any Upper or Lower Division Electives

9 Credits

Any college credit course not required exclusive of courses with a number beginning with zero or designated as non-transfer. The following courses are recommended:

EDF	2085	Introduction to Diversity for Educators	3 Credits
EME	2040	Introduction to Technology for Educators	3 Credits
EDF	2007	Introduction to Substitute Teaching	3 Credits

General Education Courses   36 Credits

Communication – Must take one Core Course

9 Credits

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits
SPC	1608	Speech Communication		3 Credits

Humanities – Must take one Core Course

6 Credits

Three credits from Area A and three credits from Area B

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2022H	Honors Liberal Arts Humanities		3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits
HUM	2232	Renaissance/Baroque Humanities		3 Credits
HUM	2234	18th and 19th Century Humanities		3 Credits
HUM	2250	20th/21st Century Humanities		3 Credits

HUM	2250H	Honors 20th/21st Century Humanities		3 Credits
HUM	2322	Women, Gender and Culture		3 Credits
HUM	2322H	Honors Women, Gender and Culture		3 Credits
HUM	2410	Asian Humanities		3 Credits
HUM	2410H	Honors Asian Humanities		3 Credits
HUM	2454	African American Humanities		3 Credits
HUM	2454H	Honors African American Humanities		3 Credits
HUM	2461	Latin American Humanities		3 Credits
HUM	2461H	Honors Latin American Humanities		3 Credits
HUM	2821	LGBTQ Studies in the Humanities		3 Credits
PHI	1630	Contemporary Ethical Problems		3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
REL	2300	Religions of the World		3 Credits

Artistic and Literary Humanities Area B

AML	2010	American Literature I		3 Credits
AML	2020	American Literature II		3 Credits
AML	2600	Survey of African American Literature		3 Credits
ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
ARH	2050	Art History I		3 Credits
ARH	2051	Art History II		3 Credits
ENG	2100	The Art of Film		3 Credits
ENG	2103	World Cinema		3 Credits
ENL	2012	British Literature I		3 Credits
ENL	2022	British Literature II		3 Credits

LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
LIT	2090	Contemporary Literature		3 Credits
LIT	2090H	Honors Contemporary Literature		3 Credits
LIT	2120	World Literature II		3 Credits
LIT	2120H	Honors World Literature II		3 Credits
MUH	2022	History of Rock Music		3 Credits
MUH	2026	Introduction to Blues and Jazz		3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
MUL	2014	Introduction to Music History and Literature		3 Credits
THE	1304	Script Analysis		3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits
THE	2239	The Development of African American Theatre		3 Credits

Social Science and History - Must take one Core Course

9 Credits

Courses must be taken from three areas. Three credits must be taken from History

Social Science General Education Core course

6 Credits

Area A Anthropology

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits

Area B Economics

ECO	1000	Basic Economics		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2013H	Honors Principles of	Gen Ed Core	3 Credits

		Economics (MACRO)		
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Area C Geography

GEA	1000	World Regional Geography		3 Credits
GEO	1200	Introduction to Physical Geography		3 Credits

Area D Political Science

CPO	1421	Politics, Society, and Islam		3 Credits
INR	2002	International Relations		3 Credits
INR	2002H	Honors International Relations		3 Credits
PAX	2000	Introduction to Peace Studies		3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
POT	2002	Political Theory		3 Credits
POT	2002H	Honors - Political Theory		3 Credits
POT	2301	Political Ideology - Introduction		3 Credits
PUP	2230	Energy and Environmental Policy		3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior		3 Credits
CLP	2140	Abnormal Psychology		3 Credits
DEP	2004	Developmental Psychology		3 Credits
INP	2002	Introduction to Industrial Psychology		3 Credits

PPE	2001	Psychology - Introduction to Personality		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2012H	General Psychology Honors	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2000H	Honors Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2110H	Honors Introduction to Social Research		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYP	2512	Sociology of Deviance		3 Credits

History   3 Credits

AMH	2010	United States History to 1865		3 Credits
AMH	2010H	Honors United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
AMH	2020H	Honors United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
AMH	2035	The United States 1945 to Present		3 Credits
AMH	2070	History of Florida		3 Credits
AMH	2090	United States Women's History		3 Credits
AMH	2090H	Honors United States Women's History		3 Credits

AMH	2091	African American History	3 Credits
EUH	2000	Western Civilization to 1600	3 Credits
EUH	2000H	Honors Western Civilization to 1600	3 Credits
EUH	2001	Western Civilization 1600 to Present	3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present	3 Credits
HPS	2100H	Honors History Meets Science	3 Credits
LAH	2020	Latin American History	3 Credits
WOH	1022	World History Since 1500	3 Credits
WOH	2232	Survey of Early Christianity	3 Credits

Mathematics - Must take one Core Course

6 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/ Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Natural Science - Must take one Core Course

6 Credits

Courses must be taken from two different areas

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to		3 Credits

		Oceanography		
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits
MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Area C Physical Science

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits
PSC	2521	Sustainability: Concepts and Issues		3 Credits

Total Credits: 120

Accounting Pathway
Associate in Arts
Subplan Code: BUS-ACC CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ACG	2021	Principles of Financial Accounting		3 Credits
ACG	2071	Principles of Managerial Accounting		3 Credits
CGS	2100C	Computer Applications		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
MAC	2233	Concepts of Calculus		3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

*MAC 1105 **OR** MAC 1114 **OR** MAC 1140 **OR** MAC 1147 **OR** MAC 2311 with a grade of "C" or higher, or sufficient score on placement test is a **required prerequisite** for MAC 2233.

Total Credits: 60

Actuarial Science Pathway
Associate in Arts
Subplan Code: SCI-ACTU CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will

complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits

Any COP prefix course

3 Credits

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits
COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits
COP	2942	Internship Computer Programming	2 Credits
COP	2949	Internship in Computer Programming	3 Credits

*MAC 1114 and MAC 1140 OR MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a required prerequisite for MAC 2311.

Total Credits: 60

Advertising/Public Relations Pathway Associate in Arts
Subplan Code: CAS-ADVE CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to

make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

AMH	2010	United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
SPC	1608	Speech Communication		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits

or

ECO	2023	*Principles of Economics (MICRO)*	*3 Credits*

Total Credits: 60

Advertising: Persuasive Msg Pathway
Associate in Arts
Subplan Code: ART-ADV CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and

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university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

AMH	2010	United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
SPC	1608	Speech Communication		3 Credits

Choose 3 credits from the following list of ECO courses:

ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits

or

ECO	2023	Principles of Economics (MICRO)	3 Credits

Total Credits: 60

Aerospace Engineering Pathway
Associate in Arts
Subplan Code: ENG-AERO CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program

of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
MAP	2302	Elementary Differential Equations		3 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

Students transferring to UCF are strongly recommended to take the following courses:

EGS	1006	Introduction to the Engineering Profession	1 Credits
EGN	1007	Engineering Concepts and Methods	1 Credits

CHM 1032C or high school chemistry AND MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for CHM 2045C.

*MAC 1114 and MAC 1140 OR MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a required prerequisite for MAC 2311.

Total Credits: 60

Agricultural Operations Pathway Associate in Arts
Subplan Code: AGR-PLAN CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1147	Precalculus Algebra/Trigonometry		5 Credits

or

MAC	*1114*	*Trigonometry*		*3 Credits*
MAC	*1140*	*Precalculus Algebra*		*3 Credits*
MAC	2311	Analytic Geometry and Calculus I	(Gen Ed Core)	5 Credits
SPC	1608	Speech Communication		3 Credits
STA	2023	Statistical Methods I	(Gen Ed Core)	3 Credits

Total Credits: 60

Anthropology Pathway
Associate in Arts
Subplan Code: ANT-ANTR CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

Any ANT prefix course
6 Credits

Any ANT1### course

Any ANT2### course

ANT	2000	General Anthropology	(Gen Ed Core)	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits
ANT	2930	Selected Studies in Anthropology		3 Credits
ANT	2941	Cooperative Education Internship in Anthropology		1 Credits
ANT	2949	Cooperative Education Internship in Anthropology		3 Credits
ANT	2950	Travel Study in Anthropology		3 Credits

Total Credits: 60

Architecture Pathway
Associate in Arts
Subplan Code: ARCH-AA CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ARC	1301C	Architectural Design	3 Credits
PHY	1053C	General Physics I `Gen Ed Core`	4 Credits

Choose one course:

MAC	1114	Trigonometry	3 Credits
MAC	1140	Precalculus Algebra	3 Credits
MAC	2233	Concepts of Calculus	3 Credits
MAC	2311	Analytic Geometry and Calculus I `Gen Ed Core`	5 Credits

* MAC 1105 or MAC 1114 or MAC 1140 or MAC 1147 or MAC 2311 with a grade of "C" or higher or sufficient score on placement test are required prerequisites for MAC 2233.

* MAC 1114 & MAC 1140 **or** MAC 1147 with a grade of "C" or higher or sufficient score on placement test are required prerequisites for MAC 2311.

Total Credits: 60

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Art – BFA Emerging Media Pathway Associate in Arts

Subplan Code: ART–ART CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ART	1201C	Design Fundamentals I	3 Credits
ART	1203C	Design Fundamentals II	3 Credits
ART	1300C	Drawing I	3 Credits
DIG	2000	Introduction to Digital Media	3 Credits

Choose one ART prefix course from the following list:

ART	1203C	Design Fundamentals II	3 Credits
ART	1301C	Drawing II	3 Credits
ART	2330C	Figure Drawing	3 Credits

Any ARH prefix course

3 Credits

Any ARH1### course

ARH	1000	Art Appreciation `Gen Ed Core`	3 Credits

Any ARH2### course

ARH	2050	Art History I	3 Credits
ARH	2051	Art History II	3 Credits

Any GRA prefix course

3 Credits

Any GRA2### course

GRA	2101	Introduction to Computer Graphics	3 Credits
GRA	2121	Digital Publishing I	3 Credits
GRA	2122	Digital Publishing II	3 Credits
GRA	2124	Layout and Design	3 Credits
GRA	2201	Digital Imaging I	3 Credits

GRA	2206	Typography	3 Credits
GRA	2930	Selected Studies in Computer Graphics	3 Credits
GRA	2931	Selected Studies in Computer Graphics	1 Credits
GRA	2941	Internship in Computer Graphics	1 Credits
GRA	2942	Internship in Computer Graphics	2 Credits
GRA	2949	Internship in Computer Graphics	3 Credits
GRA	2950	Graphic Arts Study Abroad	3 Credits

Any GRA2#### course

GRA	2144C	Web Design	3 Credits
GRA	2151C	Digital Illustration	3 Credits
GRA	2152C	Digital Illustration II	3 Credits
GRA	2157C	Fundamentals of Animation	3 Credits
GRA	2207C	Digital Imaging II	3 Credits
GRA	2757C	Responsive Design	3 Credits

Total Credits: 60

Art Education Pathway
Associate in Arts
Subplan Code: ART-EDU CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university

program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ARH	2050	Art History I	3 Credits
ARH	2051	Art History II	3 Credits
ART	1201C	Design Fundamentals I	3 Credits
ART	1203C	Design Fundamentals II	3 Credits
ART	1300C	Drawing I	3 Credits
ART	1301C	Drawing II	3 Credits

or

ART	*2330C*	*Figure Drawing*	*3 Credits*

EDF	2005	Introduction to the Teaching Profession	3 Credits

Total Credits: 60

Art Studio Pathway
Associate in Arts
Subplan Code: ART-STUD CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many

universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ARH	2050	Art History I	3 Credits
ARH	2051	Art History II	3 Credits
ART	1201C	Design Fundamentals I	3 Credits
ART	1203C	Design Fundamentals II	3 Credits
ART	1300C	Drawing I	3 Credits

Choose one ART prefix course from the following list:

ART	1301C	Drawing II	3 Credits
ART	2330C	Figure Drawing	3 Credits
ART	2500C	Painting I	3 Credits

Choose 6 credits of any ART prefix course not already taken

Any ART1#### course

ART	1201C	Design Fundamentals I	3 Credits
ART	1203C	Design Fundamentals II	3 Credits
ART	1300C	Drawing I	3 Credits
ART	1301C	Drawing II	3 Credits

Any ART2#### course

ART	2330C	Figure Drawing	3 Credits
ART	2400C	Printmaking I	3 Credits

ART	2401C	Printmaking II	3 Credits
ART	2500C	Painting I	3 Credits
ART	2501C	Painting II	3 Credits
ART	2570C	Fresco Painting	3 Credits
ART	2750C	Ceramics I	3 Credits
ART	2751C	Ceramics II	3 Credits
ART	2906C	Directed Studies in Ceramics	3 Credits
ART	2930C	Selected Studies in Art	3 Credits

Any ART2### course

ART	2941	Art Internship - 1 CR	1 Credits
ART	2949	Art Internship - 3 CR	3 Credits
ART	2950	Travel Study in Art	3 Credits

**All courses except ARHX050 and ARHX051 require a 'C' or higher.

Total Credits: 60

Associate in Arts Degree
Associate in Arts
Subplan Code: AA-GEN CIP: 1192401010
Program Description
Completion of the following General Education requirements will satisfy the basic requirements in General Education for the Associate in Arts degree. General Education courses for the Associate in Science, Bachelor of Applied Science, and Bachelor of Science degrees are also drawn from this list.

Seminole State College's associate in arts students entering the Florida College system in 2015-2016 and thereafter must complete at least one identified STATE CORE COURSE in each section. Please refer to the online catalog for a complete listing of all the identified STATE CORE COURSES.

Seminole State College's associate in arts and bachelor's degree seeking students entering the Florida College System as FTIC in 2018-2019 -2020-2021 must satisfy the Civic Literacy requirement by completing a course or assessment.

The Civic Literacy requirement for associate in arts and bachelor's degree seeking students entering the Florida College System in 2021–2022 must be satisfied by completing a course and assessment. The Civic Literacy requirement must be completed prior to submitting an Intent to Graduate form in the term of intended graduation. Please refer to the online catalog for a complete listing of all the courses and alternative ways to satisfy the Civic Literacy requirement.

Students first entering Seminole State College of Florida as FTIC completing an A.A. 2021–2022 or after must satisfy the First Year Experience Requirement. First-Year Experience Flightpath: Chart Your Course – IDS 1107. Please refer to the Graduation Requirements in the online catalog.

NOTE: General Education requirements listed below are for current term/catalog year. Please meet with your assigned advisor to review the General Education requirements for your catalog.

Communication - Must take one Core Course

9 Credits

Choose one course:

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1101H	Honors English I	Gen Ed Core	3 Credits

Choose one course:

SPC	1608	Speech Communication	3 Credits
SPC	1608H	Honors Speech Communication	3 Credits

Choose one course:

ENC	1102	English II	3 Credits
ENC	1102H	Honors English II	3 Credits

Humanities - Must take one Core Course

6 Credits

3 credits must be from Humanities Area A and 3 credits must be from Humanities Area B

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2022H	Honors Liberal Arts Humanities		3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits
HUM	2232	Renaissance/Baroque Humanities		3 Credits
HUM	2234	18th and 19th Century Humanities		3 Credits
HUM	2250	20th/21st Century Humanities		3 Credits
HUM	2250H	Honors 20th/21st Century Humanities		3 Credits
HUM	2322	Women, Gender and Culture		3 Credits
HUM	2322H	Honors Women, Gender and Culture		3 Credits
HUM	2410	Asian Humanities		3 Credits
HUM	2410H	Honors Asian Humanities		3 Credits
HUM	2454	African American Humanities		3 Credits
HUM	2454H	Honors African American Humanities		3 Credits
HUM	2461	Latin American Humanities		3 Credits
HUM	2461H	Honors Latin American Humanities		3 Credits
HUM	2821	LGBTQ Studies in the Humanities		3 Credits
PHI	1630	Contemporary Ethical Problems		3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
REL	2300	Religions of the World		3 Credits

Artistic and Literary Humanities Area B

AML	2010	American Literature I	3 Credits
AML	2020	American Literature II	3 Credits
AML	2600	Survey of African American Literature	3 Credits
ARH	1000	Art Appreciation `Gen Ed Core`	3 Credits
ARH	2050	Art History I	3 Credits
ARH	2051	Art History II	3 Credits
ENG	2100	The Art of Film	3 Credits
ENG	2103	World Cinema	3 Credits
ENL	2012	British Literature I	3 Credits
ENL	2022	British Literature II	3 Credits
LIT	2000	Introduction to Literature `Gen Ed Core`	3 Credits
LIT	2090	Contemporary Literature	3 Credits
LIT	2090H	Honors Contemporary Literature	3 Credits
LIT	2120	World Literature II	3 Credits
LIT	2120H	Honors World Literature II	3 Credits
MUH	2022	History of Rock Music	3 Credits
MUH	2026	Introduction to Blues and Jazz	3 Credits
MUL	2010	Music Appreciation `Gen Ed Core`	3 Credits
MUL	2010H	Honors Music Appreciation `Gen Ed Core`	3 Credits
MUL	2014	Introduction to Music History and Literature	3 Credits
THE	1304	Script Analysis	3 Credits
THE	2000	Theatre Appreciation `Gen Ed Core`	3 Credits
THE	2239	The Development of African American Theatre	3 Credits

Social Science and History – Must take one Core Course

9 Credits

Courses must be taken from three areas. Three credits must be taken from History

Social Science General Education courses
6 Credits

Area A Anthropology

ANT	2000	General Anthropology `Gen Ed Core`	3 Credits
ANT	2410	Introduction to Cultural Anthropology	3 Credits

Area B Economics

ECO	1000	Basic Economics	3 Credits
ECO	2013	Principles of Economics (MACRO) `Gen Ed Core`	3 Credits
ECO	2013H	Honors Principles of Economics (MACRO) `Gen Ed Core`	3 Credits
ECO	2023	Principles of Economics (MICRO)	3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)	3 Credits
ECO	2930	Selected Studies in Economics	3 Credits

Area C Geography

GEA	1000	World Regional Geography	3 Credits
GEO	1200	Introduction to Physical Geography	3 Credits

Area D Political Science

CPO	1421	Politics, Society, and Islam	3 Credits
INR	2002	International Relations	3 Credits
INR	2002H	Honors International Relations	3 Credits
PAX	2000	Introduction to Peace Studies	3 Credits
POS	2041	U.S. Federal Government `Gen Ed Core` `Civic Lit`	3 Credits
POS	2041H	Honors U.S. Federal Government `Gen Ed Core` `Civic Lit`	3 Credits

POS	2112	State and Local Government		3 Credits
POT	2002	Political Theory		3 Credits
POT	2002H	Honors - Political Theory		3 Credits
POT	2301	Political Ideology - Introduction		3 Credits
PUP	2230	Energy and Environmental Policy		3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior		3 Credits
CLP	2140	Abnormal Psychology		3 Credits
DEP	2004	Developmental Psychology		3 Credits
INP	2002	Introduction to Industrial Psychology		3 Credits
PPE	2001	Psychology - Introduction to Personality		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2012H	General Psychology Honors	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2000H	Honors Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2110H	Honors Introduction to Social Research		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYP	2512	Sociology of Deviance		3 Credits

History   3 Credits

AMH	2010	United States History to 1865		3 Credits
AMH	2010H	Honors United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
AMH	2020H	Honors United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
AMH	2035	The United States 1945 to Present		3 Credits
AMH	2070	History of Florida		3 Credits
AMH	2090	United States Women's History		3 Credits
AMH	2090H	Honors United States Women's History		3 Credits
AMH	2091	African American History		3 Credits
EUH	2000	Western Civilization to 1600		3 Credits
EUH	2000H	Honors Western Civilization to 1600		3 Credits
EUH	2001	Western Civilization 1600 to Present		3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present		3 Credits
HPS	2100H	Honors History Meets Science		3 Credits
LAH	2020	Latin American History		3 Credits
WOH	1022	World History Since 1500		3 Credits
WOH	2232	Survey of Early Christianity		3 Credits

Natural Science - Must take one Core Course

6 Credits

Courses must be taken from two areas

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits

BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits
MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Area C Physical Science

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits
PSC	2521	Sustainability: Concepts and Issues		3 Credits

Mathematics - Must take one Core Course

6 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits

MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Electives and Required Prerequisites for the Major　　**24 Credits**

Completion of a minimum of 24 credits, exclusive of courses with a number beginning with zero or courses designated as non-transfer.

Total Credits: 60

- -

Biology Education Pathway
Associate in Arts
Subplan Code: EDU-BIO CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2011C	General Biology II		4 Credits
EDF	2005	Introduction to the Teaching Profession		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits

Choose one Physical Science group:

8 Credits

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits

or

PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	1054C	General Physics II		4 Credits

or

PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

- -

Biology Pre-Professional Pathway
Associate in Arts
Subplan Code: SCI-BIO CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with

Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2011C	General Biology II		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits

Choose one Mathematics course:

MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
or				
MAC	2233	Concepts of Calculus		3 Credits

Choose one Mathematics course:

MAC	2312	Analytic Geometry and Calculus II		5 Credits
or				
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

Choose one Physical Science group:

CHM	2210C	Organic Chemistry I		4 Credits
CHM	2211C	Organic Chemistry II		4 Credits
or				
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	1054C	General Physics II		4 Credits

or

PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C**.

Total Credits: 60

Biomedical Sciences Pathway Associate in Arts
Subplan Code: SCI-MMCB CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2011C	General Biology II		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits

CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
CHM	2210C	Organic Chemistry I		4 Credits
CHM	2211C	Organic Chemistry II		4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits

Choose one Mathematics course:

MAC	2312	Analytic Geometry and Calculus II		5 Credits

or

STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

Choose one Science group:

BSC	2093C	Anatomy and Physiology I		4 Credits
BSC	2094C	Anatomy and Physiology II		4 Credits

or

PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	1054C	General Physics II		4 Credits

or

PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C.**

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for **MAC 2311.**

Total Credits: 60

Biotechnology Pathway
Associate in Arts
Subplan Code: BIO–TECH CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2011C	General Biology II		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
CHM	2210C	Organic Chemistry I		4 Credits
CHM	2211C	Organic Chemistry II		4 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

Choose one MAC course:

MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits

or

MAC	2233	Concepts of Calculus		3 Credits

Choose 1 Physics group:

PHY	1053C	General Physics I	Gen Ed Core	4 Credits

PHY	1054C	General Physics II		4 Credits

or

PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits

PHY	2049C	Physics with Calculus II		4 Credits

* MAC 1105 or MAC 1114 or MAC 1140 or MAC 1147 or MAC 2311 with a grade of "C" or higher or sufficient score on placement test are required prerequisites for **MAC 2233.**

* MAC 1114 & MAC 1140 or MAC 1147 with a grade of "C" or higher or sufficient score on placement test are required prerequisites for **MAC 2311.**

Total Credits: 60

Career and Technical Education Pathway Associate in Arts

Subplan Code: EDU-TRDI CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ENC	1102	English II		3 Credits

Total Credits: 60

Chemistry Education Pathway Associate in Arts

Subplan Code: EDU-CHM CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
EDF	2005	Introduction to the Teaching Profession		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits

Choose one Physics sequence

8 Credits

PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

or

PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	1054C	General Physics II		4 Credits

CHM 1032C or high school chemistry AND MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for CHM 2045C.

***MAC 1114 and MAC 1140 OR MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a required prerequisite for MAC 2311.**

Total Credits: 60

Chemistry Pathway
Associate in Arts
Subplan Code: SCI-CHEM CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway

courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
CHM	2210C	Organic Chemistry I		4 Credits
CHM	2211C	Organic Chemistry II		4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits

Choose one Physics sequence

PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	1054C	General Physics II		4 Credits

or

PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

CHM 1032C or high school chemistry AND MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for CHM 2045C.

***MAC 1114 and MAC 1140 OR MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a required prerequisite for MAC 2311.**

Total Credits: 60

Civil Engineering Pathway
Associate in Arts
Subplan Code: ENG-CIVL CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and

university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
MAP	2302	Elementary Differential Equations		3 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

Students transferring to UCF are strongly recommended to take the following courses:

EGS	1006	Introduction to the Engineering Profession	1 Credits
EGN	1007	Engineering Concepts and Methods	1 Credits

CHM 1032C or high school chemistry **AND MAC 1105** with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C**.

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Clinical Science Pathway
Associate in Arts
Subplan Code: HLT-CLINIC CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

HIM	1442	Pharmacology and Lab Medicine	3 Credits
HIM	1453	Anatomy and Physiology	3 Credits

BSC 2093C & BSC 2094C, OR BSC 1085C & BSC 1086C, OR BSC 1020 OR EMS 2010, may substitute for HIM 1453.

HSC	1000	Introduction to Health Care	3 Credits
HSC	1531	Medical Terminology	3 Credits
HSC	2400	First Aid and CPR	3 Credits
HUN	1201	The Principles of Nutrition	3 Credits

or

HUN	2202	Human Nutrition and Diet Therapy		3 Credits

Total Credits: 60

Communication Sciences Pathway Associate in Arts

Subplan Code: COMSC-AA CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

SPC	1608	Speech Communication	3 Credits

Total Credits: 60

Computer Engineering Pathway Associate in Arts

Subplan Code: ENG-COMP CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
MAP	2302	Elementary Differential Equations		3 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

Any COP prefix course

3 Credits

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits
COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits
COP	2942	Internship Computer Programming	2 Credits
COP	2949	Internship in Computer Programming	3 Credits

Students transferring to UCF are strongly recommended to take the following courses:

EGS	1006	Introduction to the Engineering Profession	1 Credits
EGN	1007	Engineering Concepts and Methods	1 Credits

CHM 1032C or high school chemistry AND MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for CHM 2045C.

*MAC 1114 and MAC 1140 OR MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a required prerequisite for MAC 2311.

Total Credits: 60

Computer Science Pathway
Associate in Arts
Subplan Code: CAS-COMP CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

Any COP prefix course

3 Credits

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits

COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits
COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits
COP	2942	Internship Computer Programming	2 Credits
COP	2949	Internship in Computer Programming	3 Credits

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Construction AA Prereqs Pathway
Associate in Arts
Subplan Code: CONST-AA CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to

make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BCN	1221	Introduction to Building Construction		3 Credits
BCN	2230	Construction Materials and Methods I		3 Credits
BCN	2231	Construction Materials and Methods II		3 Credits
BCN	2251C	Building Construction Documents		3 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
EGN	1111C	Engineering Graphics - Drawing		2 Credits
ETD	1320C	Computer-Aided Design I		3 Credits
SUR	2101C	Surveying		4 Credits

Total Credits: 60

Construction Engineering Pathway
Associate in Arts
Subplan Code: ENG-CONS CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements

for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
MAP	2302	Elementary Differential Equations		3 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

Students transferring to UCF are strongly recommended to take the following courses:

EGS	1006	Introduction to the Engineering Profession	1 Credits
EGN	1007	Engineering Concepts and Methods	1 Credits

CHM 1032C or high school chemistry **AND MAC 1105** with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C**.

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite for MAC 2311.**

Total Credits: 60

Criminal Justice Pathway
Associate in Arts
Subplan Code: SOC-CJ CIP: 1192401010

Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

No common prerequisite courses required.

Total Credits: 60

Data Sciences Pathway
Associate in Arts
Subplan Code: SCI-DATSCI CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are

subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

Any COP prefix course

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits
COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits
COP	2942	Internship Computer Programming	2 Credits
COP	2949	Internship in Computer Programming	3 Credits

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Digital Arts & Science Pathway
Associate in Arts
Subplan Code: ART-DIGART CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their

transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

Choose one ARH course:

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
ARH	2050	Art History I		3 Credits
ARH	2051	Art History II		3 Credits

Choose one ART course:

ART	1201C	Design Fundamentals I	3 Credits
ART	1203C	Design Fundamentals II	3 Credits
ART	1300C	Drawing I	3 Credits
ART	1301C	Drawing II	3 Credits

Choose one MAC course:

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1140	Precalculus Algebra		3 Credits

Choose one CAP, CGS, or COP course:

Any CAP1### course

CAP	1760	Introduction to Data Analytics	3 Credits

Any CAP2### course

CAP	2801	Simulation and Gaming Fundamentals I	3 Credits
CAP	2804	Simulation and Gaming Fundamentals II	3 Credits

Any CGS1#### course

CGS	1060C	Introduction to Computers	3 Credits
CGS	1848C	Google Tools and Applications	3 Credits

Any CGS2#### course

CGS	2091C	Social, Legal and Ethical Issues in Information Technology	3 Credits
CGS	2100C	Computer Applications	3 Credits
CGS	2108C	Advanced Computer Applications	3 Credits
CGS	2545C	Database Management	3 Credits

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits
COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits
COP	2942	Internship Computer Programming	2 Credits
COP	2949	Internship in Computer Programming	3 Credits

Total Credits: 60

- -

Digital Media Pathway
Associate in Arts
Subplan Code: ART-DIG CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ARH	2050	Art History I		3 Credits
CGS	2100C	Computer Applications		3 Credits
DIG	2000	Introduction to Digital Media		3 Credits
DIG	2030C	Digital Video Fundamentals		3 Credits
DIG	2109C	Design Fundamentals		3 Credits
DIG	2500C	Fundamentals of Interactive Design		3 Credits
MAC	1105	College Algebra	Gen Ed Core	3 Credits

Total Credits: 60

- -

Early Childhood Education Pathway
Associate in Arts

Subplan Code: EDU-ERLY CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

EDF	2005	Introduction to the Teaching Profession	3 Credits
EDF	2085	Introduction to Diversity for Educators	3 Credits

Total Credits: 60

- -

Economics – Business Track Pathway
Associate in Arts

Subplan Code: ECO-BUS CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of

Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ACG	2021	Principles of Financial Accounting		3 Credits
ACG	2071	Principles of Managerial Accounting		3 Credits
CGS	2100C	Computer Applications		3 Credits
ECO	2013	Principles of Economics (MACRO)	(Gen Ed Core)	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
MAC	1105	College Algebra (Gen Ed Core)		3 Credits
MAC	2233	Concepts of Calculus		3 Credits
STA	2023	Statistical Methods I (Gen Ed Core)		3 Credits

*MAC 1105 **OR** MAC 1114 **OR** MAC 1140 **OR** MAC 1147 **OR** MAC 2311 with a grade of "C" or higher, or sufficient score on placement test is a **required prerequisite for MAC 2233.**

Total Credits: 60

- -

Economics-Liberal Arts Track Pathway Associate in Arts
Subplan Code: ECO-LIB CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will

complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ECO	2013	Principles of Economics (MACRO)	(Gen Ed Core)	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits

Total Credits: 60

- -

Educational Sciences Pathway Associate in Arts
Subplan Code: EDU-SCIE CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements

for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

EDF	2005	Introduction to the Teaching Profession	3 Credits

Total Credits: 60

Electrical Engineering Pathway
Associate in Arts
Subplan Code: ENG-ELEC CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
MAP	2302	Elementary Differential Equations		3 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

Students transferring to UCF are strongly recommended to take the following courses:

EGS	1006	Introduction to the Engineering Profession	1 Credits
EGN	1007	Engineering Concepts and Methods	1 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C**.

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Elementary Education Pathway
Associate in Arts
Subplan Code: EDU-ELEM CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are

subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

EDF	2005	Introduction to the Teaching Profession		3 Credits

Total Credits: 60

- -

English Creative Writing Pathway Associate in Arts
Subplan Code: ENGCR-AA CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their

transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits

Students must complete all Required Courses with a grade of "C" or higher.
Six semester hours of English coursework in which the student is required to demonstrate college-level English skills through multiple assignments.

Total Credits: 60

- -

English Language Arts Educ Pathway Associate in Arts
Subplan Code: EDU-ENGL CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ENC	1101	English I	Gen Ed Core	3 Credits

or

Any ENC prefix course

   Any ENC1### course

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits
ENC	1210	Technical Writing		3 Credits

   or

   Any ENC2### course

ENC	2444	Dramaturgical Studies	3 Credits
ENC	2931	Selected Studies in English	1 Credits

ENC	1102	English II	3 Credits

or

Any ENC prefix course

   Any ENC1### course

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits
ENC	1210	Technical Writing		3 Credits

   or

   Any ENC2### course

ENC	2444	Dramaturgical Studies	3 Credits

ENC	2931	Selected Studies in English	1 Credits

Total Credits: 60

- -

English Literature Pathway Associate in Arts

Subplan Code: ENGLT-AA CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper–division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits

Six semester hours of English coursework in which the student is required to demonstrate college-level English skills through multiple assignments.

Students must complete all Required Courses with a grade of "C" or

higher.

			Total Credits: 60

- -

English Tech Communication Pathway Associate in Arts
Subplan Code: ENGTC-AA CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits

or

Any ENC equivalent to BOTH English Composition I and II

6 Credits

ENC	1210	Technical Writing	3 Credits

SPC	1608	Speech Communication	3 Credits

			Total Credits: 60

- -

Entertainment Management Pathway Associate in Arts
Subplan Code: BUS-ENTM CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

No common prerequisite courses required.

			Total Credits: 60

- -

Environmental Engineering Pathway Associate in Arts
Subplan Code: ENG-ENVT CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will

complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
MAP	2302	Elementary Differential Equations		3 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

Students transferring to UCF are strongly recommended to take the following courses:

EGS	1006	Introduction to the Engineering Profession	1 Credits
EGN	1007	Engineering Concepts and Methods	1 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C.**

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Environmental Management Pathway Associate in Arts

Subplan Code: SOC-ENVR CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits

or

BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
MAC	2233	Concepts of Calculus		3 Credits
SPC	1608	Speech Communication		3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C.**

Total Credits: 60

Environmental Studies Pathway
Associate in Arts
Subplan Code: ENG-EVTH CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2011C	General Biology II		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
MAC	1105	College Algebra	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C.**

Total Credits: 60

Event Management Pathway
Associate in Arts
Subplan Code: BUS-EVTM CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

| EDF | 2085 | Introduction to Diversity for Educators | 3 Credits |

Total Credits: 60

- -

Completion of the A.A. General degree to include the following pathway courses for the major:

| CGS | 1060C | Introduction to Computers | 3 Credits |

or

| *CGS* | *2100C* | *Computer Applications* | *3 Credits* |

Total Credits: 60

- -

Exceptional Student Education Pathway
Associate in Arts
Subplan Code: EDU-SCLE CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

| EDF | 2005 | Introduction to the Teaching Profession | 3 Credits |

Finance Pathway
Associate in Arts
Subplan Code: BUS-FIN CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ACG	2021	Principles of Financial Accounting		3 Credits
ACG	2071	Principles of Managerial Accounting		3 Credits
CGS	2100C	Computer Applications		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
MAC	2233	Concepts of Calculus		3 Credits

| STA | 2023 | Statistical Methods I | Gen Ed Core | 3 Credits |

*MAC 1105 **OR** MAC 1114 **OR** MAC 1140 **OR** MAC 1147 **OR** MAC 2311 with a grade of "C" or higher, or sufficient score on placement test is a **required prerequisite for MAC 2233.**

Total Credits: 60

Fire & Emergency Services Pathway
Associate in Arts

Subplan Code: PUB-FIRE CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

No common prerequisite courses required.

Total Credits: 60

Forensic Science Pathway
Associate in Arts

Subplan Code: SCI-FNSC CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
CHM	2210C	Organic Chemistry I		4 Credits
CHM	2211C	Organic Chemistry II		4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade

of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C.**

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite for MAC 2311.**

Total Credits: 60

General Business Pathway
Associate in Arts
Subplan Code: BUS-GEN CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ACG	2021	Principles of Financial Accounting		3 Credits
ACG	2071	Principles of Managerial Accounting		3 Credits
CGS	2100C	Computer Applications		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits

ECO	2023	Principles of Economics (MICRO)		3 Credits
MAC	2233	Concepts of Calculus		3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

*MAC 1105 **OR** MAC 1114 **OR** MAC 1140 **OR** MAC 1147 **OR** MAC 2311 with a grade of "C" or higher, or sufficient score on placement test is a **required prerequisite for MAC 2233.**

Total Credits: 60

Geography Pathway
Associate in Arts
Subplan Code: SOC-GEO CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

Any GEO prefix course
6 Credits

Any GEO1### course

GEO	1200	Introduction to Physical Geography		3 Credits

Any GEO2### course

GEO	2930	Selected Studies In Geography	3 Credits
GEO	2949	Cooperative Education Internship in Geography	3 Credits

Total Credits: 60

Geology Pathway
Associate in Arts

Subplan Code: SCI-GEOL CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits

MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits

Choose one Physics sequence

PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	1054C	General Physics II		4 Credits

or

PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C.**

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Health Coaching Pathway
Associate in Arts

Subplan Code: HLT-COACH CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

HIM	1442	Pharmacology and Lab Medicine	3 Credits
HIM	1453	Anatomy and Physiology	3 Credits

BSC 2093C & BSC 2094C, OR BSC 1085C & BSC 1086C, OR BSC 1020 OR EMS 2010, may substitute for HIM 1453.

HSC	1000	Introduction to Health Care	3 Credits
HSC	1531	Medical Terminology	3 Credits
HSC	2400	First Aid and CPR	3 Credits
HUN	1201	The Principles of Nutrition	3 Credits

or

HUN	*2202*	*Human Nutrition and Diet Therapy*	*3 Credits*

Total Credits: 60

Health Education & Behavior Pathway
Associate in Arts
Subplan Code: HLT–EDUC CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university

program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2093C	Anatomy and Physiology I		4 Credits
BSC	2094C	Anatomy and Physiology II		4 Credits
CHM	2045C	General Chemistry I	(Gen Ed Core)	4 Credits
MAC	1105	College Algebra	(Gen Ed Core)	3 Credits
MCB	2010C	Microbiology		4 Credits
PSY	2012	General Psychology	(Gen Ed Core)	3 Credits
STA	2023	Statistical Methods I	(Gen Ed Core)	3 Credits

Total Credits: 60

Health Information Management Pathway
Associate in Arts
Subplan Code: HLT–INFO CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university

program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ACG	2021	Principles of Financial Accounting	3 Credits
ACG	2071	Principles of Managerial Accounting	3 Credits
BSC	2093C	Anatomy and Physiology I	4 Credits
BSC	2094C	Anatomy and Physiology II	4 Credits

Any CGS prefix course

3 Credits

Any CGS1#### course

CGS	1060C	Introduction to Computers	3 Credits
CGS	1848C	Google Tools and Applications	3 Credits

Any CGS2#### course

CGS	2091C	Social, Legal and Ethical Issues in Information Technology	3 Credits
CGS	2100C	Computer Applications	3 Credits
CGS	2108C	Advanced Computer Applications	3 Credits
CGS	2545C	Database Management	3 Credits

Any STA prefix course

3 Credits

Any STA1### course

Any STA2### course

STA	2023	Statistical Methods I (Gen Ed Core)	3 Credits

Total Credits: 60

Health Sciences– Pre-Clinical Pathway Associate in Arts
Subplan Code: HLT–PRCLIN CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper–division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I (Gen Ed Core)	4 Credits
BSC	2011C	General Biology II	4 Credits
BSC	2093C	Anatomy and Physiology I	4 Credits
BSC	2094C	Anatomy and Physiology II	4 Credits
CHM	2045C	General Chemistry I (Gen Ed Core)	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis	4 Credits
MAC	1114	Trigonometry	3 Credits
PSY	2012	General Psychology (Gen Ed Core)	3 Credits
STA	2023	Statistical Methods I (Gen Ed Core)	3 Credits

Choose 1 Physics group:

PHY	1053C	General Physics I (Gen Ed Core)	4 Credits

PHY	1054C	General Physics II		4 Credits

or

PHY	2048C	Physics with Calculus I	(Gen Ed Core)	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

*MAC 1105 or MAC 1140 with a grade of "C" or higher or sufficient score on placement test is a required prerequisite for MAC 1114.

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C.**

Total Credits: 60

Health Services Administration Pathway Associate in Arts

Subplan Code: HLT-HSA CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway

courses for the major:

ACG	2021	Principles of Financial Accounting		3 Credits
ACG	2071	Principles of Managerial Accounting		3 Credits
CGS	2100C	Computer Applications		3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
STA	2023	Statistical Methods I	(Gen Ed Core)	3 Credits

Total Credits: 60

Healthcare Mgmt & Prof Service Pathway Associate in Arts

Subplan Code: HLT-HCMGT CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses 60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

HIM	1442	Pharmacology and Lab Medicine	3 Credits
HIM	1453	Anatomy and Physiology	3 Credits

BSC 2093C & BSC 2094C, OR BSC 1085C & BSC 1086C, OR BSC 1020 OR EMS 2010, may substitute for HIM 1453.

HSC	1000	Introduction to Health Care	3 Credits
HSC	1531	Medical Terminology	3 Credits
HSC	2400	First Aid and CPR	3 Credits
HUN	1201	The Principles of Nutrition	3 Credits

or

HUN	*2202*	*Human Nutrition and Diet Therapy*	*3 Credits*

Total Credits: 60

History Pathway
Associate in Arts
Subplan Code: HIS-HIST CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

Choose 6 credits from the following list:

6 Credits

Any AMH1### course

AMH	1000	Origins of American Civilization	3 Credits

Any AMH2### course

AMH	2010	United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core Civic Lit	3 Credits
AMH	2035	The United States 1945 to Present		3 Credits
AMH	2070	History of Florida		3 Credits
AMH	2090	United States Women's History		3 Credits
AMH	2091	African American History		3 Credits
AMH	2930	Selected Studies in American History		3 Credits
AMH	2931	Selected Studies in U.S History		1 Credits

Any EUH1### course

Any EUH2### course

EUH	2000	Western Civilization to 1600	3 Credits
EUH	2001	Western Civilization 1600 to Present	3 Credits
EUH	2905	Directed Studies in History	3 Credits
EUH	2950	Travel/Study in European History	3 Credits

Any LAH1### course

Any LAH2### course

LAH	2020	Latin American History	3 Credits

Any WOH1### course

WOH	1022	World History Since 1500	3 Credits

Any WOH2### course

WOH	2232	Survey of Early Christianity	3 Credits
WOH	2930	Selected Studies in World History	1 Credits

Total Credits: 60

Hospitality Management Pathway Associate in Arts

Subplan Code: BUS-HOSP CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits

or

ECO	2023	Principles of Economics (MICRO)		3 Credits

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits

Total Credits: 60

Human Communication Pathway Associate in Arts

Subplan Code: COM-HUMN CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

Any ENC equivalent to BOTH English Composition I and II

ENC	1101	English I Gen Ed Core	3 Credits
ENC	1102	English II	3 Credits
ENC	1210	Technical Writing	3 Credits
SPC	1608	Speech Communication	3 Credits

Total Credits: 60

Humanities Pathway
Associate in Arts

Subplan Code: HUM-HUM CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

No common prerequisite courses required.

Total Credits: 60

- -

Industrial Engineering Pathway
Associate in Arts

Subplan Code: ENG-IND CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for

illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	(Gen Ed Core)	4 Credits
MAC	2311	Analytic Geometry and Calculus I	(Gen Ed Core)	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
MAP	2302	Elementary Differential Equations		3 Credits
PHY	2048C	Physics with Calculus I	(Gen Ed Core)	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

Students transferring to UCF are strongly recommended to take the following courses:

| EGS | 1006 | Introduction to the Engineering Profession | 1 Credits |
| EGN | 1007 | Engineering Concepts and Methods | 1 Credits |

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C**.

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

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Information Systems Technology Pathway
Associate in Arts
Subplan Code: IST-AA CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CET	1179	Network Concepts and Operating Systems		3 Credits
CGS	2545C	Database Management		3 Credits
COP	1000	Principles of Computer Programming		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits

or

ECO	*2023*	*Principles of Economics (MICRO)*		*3 Credits*

MAC	1105	College Algebra	Gen Ed Core	3 Credits
SPC	1608	Speech Communication		3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

Total Credits: 60

Information Technology Pathway
Associate in Arts
Subplan Code: CMP-INFO CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CGS	2545C	Database Management		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

Any CGS prefix course

3 Credits

Any Database Course

Any CGS1#### course

CGS	1060C	Introduction to Computers	3 Credits
CGS	1848C	Google Tools and Applications	3 Credits

Any CGS2#### course

CGS	2091C	Social, Legal and Ethical Issues in Information Technology	3 Credits
CGS	2100C	Computer Applications	3 Credits
CGS	2108C	Advanced Computer Applications	3 Credits
CGS	2545C	Database Management	3 Credits

Any COP prefix course

6 Credits

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits
COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits

COP	2942	Internship Computer Programming	2 Credits
COP	2949	Internship in Computer Programming	3 Credits

Any MAC prefix precalculus or calculus course

3 Credits

MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/ Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits

Any PHY prefix course

3 Credits

Any PHY1### course

PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053	General Physics I	Gen Ed Core	3 Credits

Any PHY2### course

PHY	2941	Internship in Physics	1 Credits
PHY	2949	Internship in Physics	3 Credits

Any PSY prefix course

3 Credits

Any PSY1### course

Any PSY2### course

PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits
PSY	2905	Directed Studies in Psychology		3 Credits
PSY	2949	Cooperative Education Internship in Psychology		3 Credits

Total Credits: 60

Interior Design Pathway
Associate in Arts

Subplan Code: ART-INTD CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ARC	1301C	Architectural Design	3 Credits
IND	1100	History of Architecture and Design I	3 Credits
IND	2130	History of Architecture and Design II	3 Credits
IND	1422	Interior Finishes and Textiles	3 Credits
MAC	1147	Precalculus Algebra/Trigonometry	5 Credits

or

MAC	1114	Trigonometry	3 Credits
MAC	1140	Precalculus Algebra	3 Credits
PHY	1053C	General Physics I (Gen Ed Core)	4 Credits

or

Any PHY prefix course

Any PHY1### course

PHY	1020	Physics of Everyday Phenomena (Gen Ed Core)	3 Credits
PHY	1053	General Physics I (Gen Ed Core)	3 Credits

Any PHY1#### course

PHY	1020L	Physics of Everyday Phenomena Lab	1 Credits
PHY	1053C	General Physics I (Gen Ed Core)	4 Credits
PHY	1053L	General Physics Laboratory	1 Credits
PHY	1054C	General Physics II	4 Credits
PHY	1054L	General Physics Laboratory	1 Credits

Any PHY2### course

PHY	2941	Internship in Physics	1 Credits
PHY	2949	Internship in Physics	3 Credits

Any PHY2#### course

PHY	2048C	Physics with Calculus I (Gen Ed Core)	4 Credits
PHY	2048L	Physics with Calculus Laboratory	1 Credits
PHY	2049C	Physics with Calculus II	4 Credits
PHY	2049L	Physics with Calculus Laboratory	1 Credits

PHY	*2253L*	*Neurological Conditions and Treatment I Lab*	*1 Credits*
STA	2023	Statistical Methods I `Gen Ed Core`	3 Credits

Recommended courses for students enrolling in prerequisites at Seminole State and wishing to pursue the B.A.S. Interior Design degree at Seminole State:

ETD	1320C	Computer-Aided Design I	3 Credits
IND	1100	History of Architecture and Design I	3 Credits
IND	1233C	Studio I: Interior Design Fundamentals	3 Credits
IND	1935	Building Codes and Accessibility	3 Credits
IND	1404C	Technical Design	3 Credits
IND	1422	Interior Finishes and Textiles	3 Credits
IND	2012C	Studio II: Residential Interior Environments	3 Credits
IND	2307C	Visual Communication	3 Credits

Foundation courses must be completed with a grade of "C" or higher

Total Credits: 60

International and Global Pathway
Associate in Arts
Subplan Code: INTL-GLS CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university

program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

No common prerequisite courses required.

Total Credits: 60

Journalism Pathway
Associate in Arts
Subplan Code: COM-JOUR CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

AMH	2010	United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
SPC	1608	Speech Communication		3 Credits

Total Credits: 60

Journalism: Sports & Media Pathway
Associate in Arts
Subplan Code: ART-JOUR CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

AMH	2010	United States History to 1865		3 Credits
AMH	2020	United States History	Gen Ed Core	3 Credits

		1865 to Present	Civic Lit	
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
SPC	1608	Speech Communication		3 Credits

Total Credits: 60

Kinesiology Pathway
Associate in Arts
Subplan Code: SPRT-FIT CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2011C	General Biology II		4 Credits
BSC	2093C	Anatomy and Physiology I		4 Credits

BSC	2094C	Anatomy and Physiology II		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
HUN	1201	The Principles of Nutrition		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits

Choose one Mathematics course:

MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	1147	Precalculus Algebra/ Trigonometry		5 Credits

or

| MAC | 1140 | Precalculus Algebra | | 3 Credits |

and

| *MAC* | *1114* | *Trigonometry* | | *3 Credits* |

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C.**

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Legal Studies Pathway
Associate in Arts
Subplan Code: LEGAL-AA CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

No common prerequisite courses required.

Recommended:

PLA	1003	Fundamental Law	3 Credits
PLA	1104	Legal Research and Writing I	4 Credits

Total Credits: 60

Management Pathway
Associate in Arts
Subplan Code: MGT-AA CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ACG	2021	Principles of Financial Accounting		3 Credits
ACG	2071	Principles of Managerial Accounting		3 Credits
CGS	2100C	Computer Applications		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
MAC	2233	Concepts of Calculus		3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

*MAC 1105 **OR** MAC 1114 **OR** MAC 1140 **OR** MAC 1147 **OR** MAC 2311 with a grade of "C" or higher, or sufficient score on placement test is a **required prerequisite** for MAC 2233.

Total Credits: 60

Marine Biology Pathway
Associate in Arts
Subplan Code: SCI–MBIO CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper–division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2011C	General Biology II		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits

Choose one Mathematics course:

MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits

or

MAC	2233	Concepts of Calculus		3 Credits

Choose one Mathematics course:

MAC	2312	Analytic Geometry and Calculus II		5 Credits

or

STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

Choose one Physical Science group:

CHM	2210C	Organic Chemistry I		4 Credits
CHM	2211C	Organic Chemistry II		4 Credits

or

PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	1054C	General Physics II		4 Credits

or

PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C**.

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Marketing Pathway
Associate in Arts
Subplan Code: MARK-AA CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ACG	2021	Principles of Financial Accounting	3 Credits

ACG	2071	Principles of Managerial Accounting		3 Credits
CGS	2100C	Computer Applications		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
MAC	2233	Concepts of Calculus		3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

*MAC 1105 **OR** MAC 1114 **OR** MAC 1140 **OR** MAC 1147 **OR** MAC 2311 with a grade of "C" or higher, or sufficient score on placement test is a **required prerequisite** for MAC 2233.

Total Credits: 60

Materials Science Engineering Pathway
Associate in Arts
Subplan Code: ENG-MATSC CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
MAP	2302	Elementary Differential Equations		3 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

Students transferring to UCF are strongly recommended to take the following courses:

EGS	1006	Introduction to the Engineering Profession	1 Credits
EGN	1007	Engineering Concepts and Methods	1 Credits

CHM 1032C or high school chemistry AND MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for CHM 2045C.

*MAC 1114 and MAC 1140 OR MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a required prerequisite for MAC 2311.

Total Credits: 60

Mathematics Education Pathway Associate in Arts

Subplan Code: EDU–MATH CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper–division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are

subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

EDF	2005	Introduction to the Teaching Profession		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits

Choose 4 credits that are not already taken:

Any MAC1### course

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/ Trigonometry		5 Credits
MAC	1931	Selected Studies in Mathematics		1 Credits

Any MAC2### course

MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits

Any MAS1### course

Any MAS2### course

MAS	2103	Linear Algebra		3 Credits

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Mathematics Pathway
Associate in Arts
Subplan Code: MAT-MATH CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
MAP	2302	Elementary Differential Equations		3 Credits

Choose four credits from the following list:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C.**

* MAC 1114 & MAC 1140 or MAC 1147 with a grade of "C" or higher or sufficient score on placement test are required prerequisites for **MAC 2311.**

Total Credits: 60

Mechanical Engineering Pathway
Associate in Arts
Subplan Code: ENG-MECH CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
MAP	2302	Elementary Differential Equations		3 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

Students transferring to UCF are strongly recommended to take the following courses:

EGS	1006	Introduction to the Engineering Profession	1 Credits
EGN	1007	Engineering Concepts and Methods	1 Credits

CHM 1032C or high school chemistry **AND MAC 1105** with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C**.

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

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Media Production & Management Pathway
Associate in Arts
Subplan Code: COM-RATV CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and

university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

No common prerequisite courses required.

Total Credits: 60

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Medical Laboratory Sciences Pathway
Associate in Arts
Subplan Code: HLT-MDTC CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their

transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits

or

BSC	*2011C*	*General Biology II*	*4 Credits*

BSC	2093C	Anatomy and Physiology I	4 Credits
BSC	2094C	Anatomy and Physiology II	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis	4 Credits
CHM	2210C	Organic Chemistry I	4 Credits
CHM	2211C	Organic Chemistry II	4 Credits
MCB	2010C	Microbiology	4 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C**.

Total Credits: 60

Meteorology Pathway
Associate in Arts
Subplan Code: SCI-MET CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of

Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C**.

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Music Education Pathway
Associate in Arts
Subplan Code: EDU-MUS CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

EDF	2005	Introduction to the Teaching Profession	3 Credits
MUT	1121	Music Theory and Musicianship I	3 Credits
MUT	1122	Music Theory and Musicianship II	3 Credits
MUT	2126	Music Theory and Musicianship III	3 Credits
MUT	2127	Music Theory and Musicianship IV	3 Credits
MVK	1111M	Class Piano I	1 Credits
MVK	1112M	Class Piano II	1 Credits
MVK	2121M	Class Piano III	1 Credits
MVK	2122M	Class Piano IV	1 Credits

Any MUN prefix course

4 Credits

Any MUN1### course

MUN	1010	Ensemble Participation	Credits
MUN	1370	SeminoleSound	1 Credits
MUN	1380	Seminole Community Chorus	1 Credits
MUN	1710	Jazz Ambassadors	1 Credits
MUN	1711	Jazz Combo	1 Credits
MUN	1780	Community Jazz Ensemble	1 Credits

Any MUN2### course

MUN	2140	Wind Ensemble	1 Credits
MUN	2420	Woodwind Ensemble	1 Credits
MUN	2430	Brass Ensemble	1 Credits
MUN	2440	Percussion Ensemble	1 Credits
MUN	2480	Guitar Ensemble	1 Credits
MUN	2950	Travel/Study in Music	3 Credits

MVS XX1X or MVV XX1X course

2 Credits

Any MVS1#1# course

MVS	1319	Harp I	1 Credits
MVS	1419	Harp II	1 Credits

Any MVS1#1## course

MVS	1116M	Guitar Class I	1 Credits
MVS	1116N	Guitar Class II	1 Credits

Any MVV1#1# course

MVV	1110	Voice Class I	1 Credits
MVV	1111	Voice Class II	1 Credits

MVS XX2X course

2 Credits

Any MVS2#2# course

MVS	2329	Harp III	1 Credits
MVS	2429	Harp IV	1 Credits

Total Credits: 60

Music Pathway
Associate in Arts
Subplan Code: MUS–MUSC CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

MUT	1121	Music Theory and Musicianship I	3 Credits
MUT	1122	Music Theory and Musicianship II	3 Credits
MUT	2126	Music Theory and Musicianship III	3 Credits
MUT	2127	Music Theory and Musicianship IV	3 Credits
MVK	1111M	Class Piano I	1 Credits
MVK	1112M	Class Piano II	1 Credits
MVK	2121M	Class Piano III	1 Credits
MVK	2122M	Class Piano IV	1 Credits

Any MUN prefix course
4 Credits

Any MUN1#### course

MUN	1180M	Symphonic Band	1 Credits
MUN	1310M	Seminole Singers	1 Credits
MUN	1310N	Seminole Concert Chorale	1 Credits

Any MUN2### course

MUN	2140	Wind Ensemble	1 Credits
MUN	2420	Woodwind Ensemble	1 Credits
MUN	2430	Brass Ensemble	1 Credits
MUN	2440	Percussion Ensemble	1 Credits
MUN	2480	Guitar Ensemble	1 Credits
MUN	2950	Travel/Study in Music	3 Credits

MVS XX1X or MVV XX1X course
2 Credits

Any MVS1#1# course

MVS	1319	Harp I	1 Credits
MVS	1419	Harp II	1 Credits

Any MVS1#1## course

MVS	1116M	Guitar Class I	1 Credits
MVS	1116N	Guitar Class II	1 Credits

Any MVV1#1# course

MVV	1110	Voice Class I	1 Credits
MVV	1111	Voice Class II	1 Credits

MVS XX2X course
2 Credits

Any MVS2#2# course

MVS	2329	Harp III	1 Credits
MVS	2429	Harp IV	1 Credits

Total Credits: 60

Non-Profit Management Pathway Associate in Arts
Subplan Code: SOC-NONPM CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ECO	2013	Principles of Economics (MACRO)	(Gen Ed Core)	3 Credits

Total Credits: 60

Nursing AA pre-major Pathway
Associate in Arts
Subplan Code: HLT-NRSG CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are

subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2093C	Anatomy and Physiology I		4 Credits
BSC	2094C	Anatomy and Physiology II		4 Credits
DEP	2004	Developmental Psychology		3 Credits
HUN	2202	Human Nutrition and Diet Therapy		3 Credits
or				
HUN	1201	The Principles of Nutrition		3 Credits
and				
HUN	*2015*	*Diet Therapy for Health Care Professionals*		*1 Credits*
MCB	2010C	Microbiology		4 Credits
STA	2023	Statistical Methods I	(Gen Ed Core)	3 Credits

Any PSY or SYG prefix course

3 Credits

  Any PSY1### course

  Any PSY2### course

PSY	2012	General Psychology	(Gen Ed Core)	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits
PSY	2905	Directed Studies in Psychology		3 Credits

PSY	2949	Cooperative Education Internship in Psychology		3 Credits

Any SYG1### course

Any SYG2### course

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYG	2949	Cooperative Education Internship in Sociology		3 Credits

Any BSC, CHM, or PHY prefix-based science course

3 Credits

Total Credits: 60

Nutritional Sciences Pathway
Associate in Arts
Subplan Code: HLT-DIET CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2011C	General Biology II		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C.**

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Pharmacy Pathway
Associate in Arts
Subplan Code: HLT-PHAR CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to

make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2011C	General Biology II		4 Credits
BSC	2093C	Anatomy and Physiology I		4 Credits
BSC	2094C	Anatomy and Physiology II		4 Credits
CGS	1060C	Introduction to Computers		3 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
CHM	2210C	Organic Chemistry I		4 Credits
CHM	2211C	Organic Chemistry II		4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
SPC	1608	Speech Communication		3 Credits

Choose 1 Physics group:

PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	1054C	General Physics II		4 Credits

or

PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM**

2045C.

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Photonic Science and Engineer Pathway Associate in Arts
Subplan Code: ENG-PHOT CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
MAP	2302	Elementary Differential Equations		3 Credits

PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

Students transferring to UCF are strongly recommended to take the following courses:

EGS	1006	Introduction to the Engineering Profession	1 Credits
EGN	1007	Engineering Concepts and Methods	1 Credits

CHM 1032C or high school chemistry **AND** MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C**.

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Physical Education Pathway
Associate in Arts
Subplan Code: EDU-PHSE CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

EDF	2005	Introduction to the Teaching Profession	3 Credits
EDF	2085	Introduction to Diversity for Educators	3 Credits
PEM	2101	Conditioning	1 Credits

Total Credits: 60

Physics Education Pathway
Associate in Arts
Subplan Code: EDU-PHYS CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with		4 Credits

		Qualitative Analysis		
EDF	2005	Introduction to the Teaching Profession		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

CHM 1032C or high school chemistry **AND MAC 1105** with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C.**

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Physics Pathway
Associate in Arts
Subplan Code: SCI-PHYS CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

CHM 1032C or high school chemistry **AND MAC 1105** with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency are required prerequisites for **CHM 2045C.**

*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Political Science - Pre Law Pathway
Associate in Arts
Subplan Code: POL-LAW CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university

program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

or

Any CPO, INR, or POS course:
3 Credits

Any CPO1### course

CPO	1421	Politics, Society, and Islam	3 Credits

Any CPO2### course

CPO	2002	Introduction to Comparative Politics	3 Credits
CPO	2930	Selected Studies in Comparative Politics	1 Credits
CPO	2931	Selected Studies in Comparative Politics	2 Credits
CPO	2932	Selected Studies in Comparative Politics	3 Credits

Any INR1### course

Any INR2### course

INR	2002	International Relations	3 Credits
INR	2930	Selected Studies in International Relations	1 Credits
INR	2931	Selected Studies in International Relations	2 Credits
INR	2932	Selected Studies in International Relations	3 Credits

INR	2950	Travel/Study in International Relations	3 Credits

Any POS1### course

Any POS2### course

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
POS	2949	Cooperative Education Internship in Government		3 Credits

Any CPO, INR, or POS course not already taken:

3 Credits

Any CPO1### course

CPO	1421	Politics, Society, and Islam	3 Credits

Any CPO2### course

CPO	2002	Introduction to Comparative Politics	3 Credits
CPO	2930	Selected Studies in Comparative Politics	1 Credits
CPO	2931	Selected Studies in Comparative Politics	2 Credits
CPO	2932	Selected Studies in Comparative Politics	3 Credits

Any INR1### course

Any INR2### course

INR	2002	International Relations	3 Credits
INR	2930	Selected Studies in International Relations	1 Credits
INR	2931	Selected Studies in International Relations	2 Credits
INR	2932	Selected Studies in International Relations	3 Credits
INR	2950	Travel/Study in International Relations	3 Credits

Any POS1### course

Any POS2### course

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

POS	2112	State and Local Government		3 Credits
POS	2949	Cooperative Education Internship in Government		3 Credits

Total Credits: 60

Psychology Pathway
Associate in Arts

Subplan Code: PSY-PSY CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

PSY	2012	General Psychology	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

Choose one BSC prefix course from the following list:

Any BSC#0## course

BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits

BSC	1050	Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	3057	Introduction to Environmental Studies		3 Credits

Any BSC#0### course

BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2011C	General Biology II		4 Credits
BSC	2093C	Anatomy and Physiology I		4 Credits
BSC	2094C	Anatomy and Physiology II		4 Credits

Choose one Psychology course:

Any CLP1### course

Any CLP2### course

CLP	2140	Abnormal Psychology	3 Credits

Any DEP1### course

Any DEP2### course

DEP	2004	Developmental Psychology	3 Credits

Any INP1### course

Any INP2### course

INP	2002	Introduction to Industrial Psychology	3 Credits

Any PPE1### course

Any PPE2### course

PPE	2001	Psychology - Introduction to Personality	3 Credits

Total Credits: 60

Public Administration Pathway
Associate in Arts

Subplan Code: SOC-PBLA CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
CGS	1060C	Introduction to Computers		3 Credits
		or		
CGS	*2100C*	*Computer Applications*		*3 Credits*
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
		or		
ECO	*2023*	*Principles of Economics (MICRO)*		*3 Credits*

Total Credits: 60

Public Relations Pathway
Associate in Arts
Subplan Code: SOC-PR CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

AMH	2010	United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
		or		
ECO	*2023*	*Principles of Economics (MICRO)*		*3 Credits*
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits

or

PSY	2012	*General Psychology*	Gen Ed Core	*3 Credits*
SPC	1608	Speech Communication		3 Credits

Total Credits: 60

Real Estate Pathway
Associate in Arts
Subplan Code: BUS-RLEST CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ACG	2021	Principles of Financial Accounting		3 Credits
ACG	2071	Principles of Managerial Accounting		3 Credits
CGS	2100C	Computer Applications		3 Credits
ECO	2013	Principles of	Gen Ed Core	3 Credits

Economics (MACRO)

ECO	2023	Principles of Economics (MICRO)		3 Credits
MAC	2233	Concepts of Calculus		3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

*MAC 1105 OR MAC 1114 OR MAC 1140 OR MAC 1147 OR MAC 2311 with a grade of "C" or higher, or sufficient score on placement test is a required prerequisite for MAC 2233.

Total Credits: 60

Simulation in Healthcare Educ Pathway
Associate in Arts
Subplan Code: HLT-SIMHLT CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

HIM	1442	Pharmacology and Lab Medicine	3 Credits
HIM	1453	Anatomy and Physiology	3 Credits

BSC 2093C & BSC 2094C, OR BSC 1085C & BSC 1086C, OR BSC 1020 OR EMS 2010, may substitute for HIM 1453.

HSC	1000	Introduction to Health Care	3 Credits
HSC	1531	Medical Terminology	3 Credits
HSC	2400	First Aid and CPR	3 Credits
HUN	1201	The Principles of Nutrition	3 Credits

or

HUN	*2202*	*Human Nutrition and Diet Therapy*	*3 Credits*

Total Credits: 60

Social Science Education Pathway Associate in Arts

Subplan Code: EDU-SSE CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

AMH	2010	United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
EDF	2005	Introduction to the Teaching Profession		3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Choose one course:

Any ANT prefix course

3 Credits

    Any ANT1### course

    Any ANT2### course

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits
ANT	2930	Selected Studies in Anthropology		3 Credits
ANT	2941	Cooperative Education Internship in Anthropology		1 Credits
ANT	2949	Cooperative Education Internship in Anthropology		3 Credits
ANT	2950	Travel Study in Anthropology		3 Credits

Any ECO prefix course

3 Credits

    Any ECO1### course

ECO	1000	Basic Economics	3 Credits

    Any ECO2### course

ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Any GEA prefix course

3 Credits

    Any GEA1### course

GEA	1000	World Regional Geography	3 Credits

Any GEA2### course

Any PSY prefix course

3 Credits

Any PSY1### course

Any PSY2### course

PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits
PSY	2905	Directed Studies in Psychology		3 Credits
PSY	2949	Cooperative Education Internship in Psychology		3 Credits

Any SYG prefix course

3 Credits

Any SYG1### course

Any SYG2### course

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYG	2949	Cooperative Education Internship in Sociology		3 Credits

Total Credits: 60

Social Sciences Pathway
Associate in Arts

Subplan Code: SOC-SS CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

Six credits required   6 Credits

Any 2 introductory Social Science discipline courses.

Any ANT1### course

Any ANT2### course

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits
ANT	2930	Selected Studies in Anthropology		3 Credits
ANT	2941	Cooperative Education Internship in Anthropology		1 Credits
ANT	2949	Cooperative Education Internship in Anthropology		3 Credits
ANT	2950	Travel Study in Anthropology		3 Credits

Any CPO1### course

CPO	1421	Politics, Society, and Islam	3 Credits

Any CPO2### course

CPO	2002	Introduction to Comparative Politics	3 Credits
CPO	2930	Selected Studies in Comparative Politics	1 Credits
CPO	2931	Selected Studies in Comparative	2 Credits

| | | Politics | | |
| CPO | 2932 | Selected Studies in Comparative Politics | | 3 Credits |

Any ECO1### course

| ECO | 1000 | Basic Economics | | 3 Credits |

Any ECO2### course

ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Any GEO1### course

| GEO | 1200 | Introduction to Physical Geography | | 3 Credits |

Any GEO2### course

| GEO | 2930 | Selected Studies In Geography | | 3 Credits |
| GEO | 2949 | Cooperative Education Internship in Geography | | 3 Credits |

Any INR1### course

Any INR2### course

INR	2002	International Relations		3 Credits
INR	2930	Selected Studies in International Relations		1 Credits
INR	2931	Selected Studies in International Relations		2 Credits
INR	2932	Selected Studies in International Relations		3 Credits
INR	2950	Travel/Study in International Relations		3 Credits

Any POS1### course

Any POS2### course

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
POS	2949	Cooperative Education Internship in Government		3 Credits

Any PSY1### course

Any PSY2### course

PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits
PSY	2905	Directed Studies in Psychology		3 Credits
PSY	2949	Cooperative Education Internship in Psychology		3 Credits

Any SYG1### course

Any SYG2### course

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYG	2949	Cooperative Education Internship in Sociology		3 Credits

Any SYP1### course

Any SYP2### course

| SYP | 2512 | Sociology of Deviance | | 3 Credits |

Total Credits: 60

Social Work Pathway
Associate in Arts
Subplan Code: SOC-WRK CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with

Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
		or		
BSC	2010C	General Biology I	Gen Ed Core	4 Credits
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
		or		
SYG	2010	Social Problems		3 Credits

Choose one ECO prefix course:

ECO	1000	Basic Economics		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits

Total Credits: 60

Sociology Pathway
Associate in Arts
Subplan Code: SOC-SOC CIP: 1192401010
Program Description
The Associate in Arts (A.A.) degree is designed for

transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

Any SYG prefix course

6 Credits

Any SYG1### course

Any SYG2### course

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYG	2949	Cooperative Education Internship in Sociology		3 Credits

Total Credits: 60

Spanish Education Pathway
Associate in Arts

Subplan Code: EDU-SPAN CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

SPN	2200	Intermediate Spanish I	3 Credits

Native or heritage speakers or other persons with experience in a foreign language may qualify for a higher level language course, or exempt course(s) entirely. Please see the university to ensure proper advising and placement.

Total Credits: 60

Sports Management Pathway
Associate in Arts

Subplan Code: SPRT-MGT CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

Any FIN, GEB, or MAR prefix course
3 Credits

Any FIN1### course

Any FIN2### course

FIN	2001	Business Finance	3 Credits
FIN	2100	Personal Finance	3 Credits

Any GEB1### course

GEB	1011	Introduction to Business	3 Credits

Any GEB2### course

GEB	2112	Entrepreneurship	3 Credits
GEB	2350	Global Business	3 Credits
GEB	2930	Selected Studies in Business	3 Credits
GEB	2931	Selected Studies in Business	1 Credits

GEB	2955	Travel Study in Business	3 Credits

Any MAR1### course

MAR	1720	Social Media Research and Strategy	3 Credits

Any MAR2### course

MAR	2011	Marketing	3 Credits
MAR	2141	Global Marketing	3 Credits
MAR	2723	Social Media Implementation	3 Credits
MAR	2760	Entrepreneurial Marketing and Professional Selling	3 Credits

Total Credits: 60

Statistics Pathway
Associate in Arts
Subplan Code: MAT-STAT CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

Any COP prefix course
3 Credits

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits
COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits
COP	2942	Internship Computer Programming	2 Credits
COP	2949	Internship in Computer Programming	3 Credits

Choose one Science with lab from the following list:
4 Credits

Any BSC1###C course

| BSC | 1005C | Concepts of Biology with Lab | Gen Ed Core | 4 Credits |

Any BSC2###C course

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2011C	General Biology II		4 Credits
BSC	2093C	Anatomy and Physiology I		4 Credits
BSC	2094C	Anatomy and Physiology II		4 Credits
BSC	2930C	Selected Studies in Biology		3 Credits
BSC	2934C	Selected Studies in Biology		4 Credits

Any CHM1###C course

| CHM | 1020C | Chemistry in Everyday Life with lab | Gen Ed Core | 4 Credits |
| CHM | 1032C | Foundations of College Chemistry | | 4 Credits |

Any CHM2###C course

CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
CHM	2210C	Organic Chemistry I		4 Credits
CHM	2211C	Organic Chemistry II		4 Credits

Any GLY1###C course

Any GLY2###C course

| GLY | 2010C | Physical Geology with Laboratory | | 4 Credits |
| GLY | 2100C | Historical Geology with Laboratory | | 4 Credits |

Any PHY1###C course

| PHY | 1053C | General Physics I | Gen Ed Core | 4 Credits |
| PHY | 1054C | General Physics II | | 4 Credits |

Any PHY2###C course

| PHY | 2048C | Physics with Calculus I | Gen Ed Core | 4 Credits |
| PHY | 2049C | Physics with Calculus II | | 4 Credits |

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*MAC 1114 and MAC 1140 **OR** MAC 1147 with a grade of "C" or higher; or sufficient score on placement test is a **required prerequisite** for MAC 2311.

Total Credits: 60

Telecom Media & Society Pathway
Associate in Arts
Subplan Code: ART-TELE CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses

Completion of the A.A. General degree to include the following pathway courses for the major:

No common prerequisite courses required.

Total Credits: 60

Theatre Pathway
Associate in Arts
Subplan Code: THE-ATRE CIP: 1192401010
Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or

university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

THE	1304	Script Analysis		3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits
THE	2925	Theatre Production and Performance		1 Credits
TPA	1200	Stagecraft I		3 Credits
TPA	2201	Technical Theatre Production		2 Credits
TPA	2201L	Technical Theatre Production Lab		1 Credits
TPP	1100	Acting I		3 Credits

Choose nine credits from the following list:

9 Credits

Any THE1### course

THE	1020	Theatre Survey	3 Credits
THE	1300	Survey Dramatic Literature	3 Credits
THE	1304	Script Analysis	3 Credits

Any THE2### course

THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits
THE	2239	The Development of African American Theatre		3 Credits
THE	2925	Theatre Production and Performance		1 Credits
THE	2930	Selected Studies in Theatre		3 Credits
THE	2941	Theatre Internship - 1 CR		1 Credits
THE	2942	Theatre Internship - 2 CR		2 Credits
THE	2949	Theatre Internship - 3 CR		3 Credits
THE	2950	Travel Study in Theatre		3 Credits
THE	2952	SSC Touring Company/ Performance		3 Credits

Any TPA1### course

TPA	1200	Stagecraft I	3 Credits
TPA	1248	Theatrical Make-up	2 Credits

Any TPA2### course

TPA	2000	Introduction to Stage Design	3 Credits
TPA	2180	Themed Environmental Design	3 Credits
TPA	2201	Technical Theatre Production	2 Credits
TPA	2204	Stagecraft II	3 Credits

Any TPP1### course

TPP	1100	Acting I	3 Credits
TPP	1200	Healthcare Theatre	3 Credits
TPP	1500	Movement for the Actor	3 Credits

Any TPP2### course

TPP	2111	Acting II	3 Credits
TPP	2255	Musical Theatre / Opera Workshop	1 Credits
TPP	2300	Directing	3 Credits
TPP	2700	Voice and Articulation I	2 Credits
TPP	2701	Voice and Articulation II	2 Credits

Total Credits: 60

Tourism: Event & Recr Mgmt Pathway Associate in Arts

Subplan Code: BUS-TOUR CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

DEP	2004	Developmental Psychology		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
SPC	1608	Speech Communication		3 Credits
SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits

or

ECO	2023	Principles of Economics (MICRO)	3 Credits

Total Credits: 60

Visual Arts and Emerging Media Pathway Associate in Arts

Subplan Code: ART-VA CIP: 1192401010

Program Description

The Associate in Arts (A.A.) degree is designed for transfer to an upper-division public college or university in the state of Florida. Students will complete the A.A. General degree, including common program prerequisites for their program of choice.

The following sample courses are listed for illustrative purposes only, are based on the state of Florida common prerequisites manual and university transfer counseling manuals and are subject to change without warning. Many universities have unique additional requirements for entry to the major. Students must work with Student Affairs advisors, counselors or specialists to make sure required courses are taken and entry requirements are met for the college/university program of their choice.

Students may also refer to the online A.A. Transfer Evaluation through the FloridaShines website (previously FLVC.org) for more information on their transfer program of choice.

Sample Courses   60 Credits

Completion of the A.A. General degree to include the following pathway courses for the major:

ARH	2050	Art History I	3 Credits
ARH	2051	Art History II	3 Credits
ART	1201C	Design Fundamentals I	3 Credits
ART	1203C	Design Fundamentals II	3 Credits
ART	1300C	Drawing I	3 Credits
ART	1301C	Drawing II	3 Credits

Any ART prefix course

6 Credits

Any ART1### course

Any ART1#### course

ART	1201C	Design Fundamentals I	3 Credits
ART	1203C	Design Fundamentals II	3 Credits
ART	1300C	Drawing I	3 Credits
ART	1301C	Drawing II	3 Credits

Any ART2### course

ART	2941	Art Internship - 1 CR	1 Credits
ART	2949	Art Internship - 3 CR	3 Credits
ART	2950	Travel Study in Art	3 Credits

Any ART2#### course

ART	2330C	Figure Drawing	3 Credits
ART	2400C	Printmaking I	3 Credits
ART	2401C	Printmaking II	3 Credits
ART	2500C	Painting I	3 Credits
ART	2501C	Painting II	3 Credits
ART	2570C	Fresco Painting	3 Credits
ART	2750C	Ceramics I	3 Credits
ART	2751C	Ceramics II	3 Credits
ART	2906C	Directed Studies in Ceramics	3 Credits
ART	2930C	Selected Studies in Art	3 Credits

Total Credits: 60

Digital Cinema and Television Production Associate in Science

Major Code: MMTFP-AS CIP: 1609070213

Program Description

The Digital Cinema and Television Production program is designed to prepare students for employment as television and video production personnel. Job titles include video producer, camera operator, location/studio sound operator, videographer, post-production editor, and webcast production specialist. This program focuses on broad transferable skills and stresses understanding and demonstration of skills related to the television video and internet/webcast industries, including pre-production concept development, logistical coordination and planning, scripting, production management and direction, camera operation, photographic image composition, lighting, location/studio sound recording, post-production picture and audio editing. The program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Arts, A/V Technology and Communication career cluster.

College Credit Certificates

Students may complete the following college credit certificates as part of the Digital Cinema and Television Production degree:

- Digital and Interactive Media Design Technical Certificate
- Digital Video Fundamentals Certificate
- Video Editing and Post-Production Certificate

Profession

Seminole State College's award-winning Television and Digital Cinema Program prepares students to work in the field of TV and movie production. Students begin creating programming in their first class, and graduates are prepared with a demo reel they can show to prospective employers. Advanced students often produce programming that airs on local cable and public television outlets. All of the classes are hands-on and are taught by professionals who are working in the field.

Career Opportunities

Graduates of this program may be employed as:

- Camera Operators
- Editors
- Light and Sound Engineers
- Producers
- Directors

For career information related to this program, please visit O*Net OnLine.

Job Outlook

Overall employment of film and video editors and camera operators is projected to grow 13 percent, and employment of producers and directors is projected to grow 12 percent from 2016 to 2026, faster than the average for all occupations. Job growth in the motion picture and video industry is expected to stem from strong demand from the public for more movies and television shows, as well as an increased demand from foreign audiences for U.S.-produced films. (Source: Bureau of Labor Statistics)

Required Courses   30 Credits

RTV	1201C	Introduction to Television Production I	4 Credits

RTV 1201 and RTV 1201L may substitute for RTV 1201C

RTV	1240	Introduction to Audio Production	3 Credits
RTV	1241	Introduction to Television Production II	4 Credits
RTV	2245C	Electronic Field Production	4 Credits
RTV	2250	Video Post Production	3 Credits
RTV	2251	Advanced Editing	3 Credits
RTV	2925	TV Workshop	3 Credits
PGY	2801C	Digital Photography	3 Credits

Choose one course:

DIG	2341	Motion Graphics I	3 Credits
ART	1201C	Design Fundamentals I	3 Credits

Elective Courses   15 Credits

Choose 15 credits from the following list:

DIG	2000	Introduction to Digital Media	3 Credits
ENG	2100	The Art of Film	3 Credits
PGY	2401C	Photography I	3 Credits

RTV	2206	Television Directing	3 Credits
THE	1020	Theatre Survey	3 Credits
THE	1300	Survey Dramatic Literature	3 Credits
THE	1304	Script Analysis	3 Credits
THE	2925	Theatre Production and Performance	1 Credits

Any ART1### course

Any ART2### course

ART	2941	Art Internship - 1 CR	1 Credits
ART	2949	Art Internship - 3 CR	3 Credits
ART	2950	Travel Study in Art	3 Credits

Any CRW1### course

Any CRW2### course

CRW	2001	Creative Writing I	3 Credits
CRW	2002	Creative Writing II	3 Credits
CRW	2930	Selected Studies in Creative Writing	3 Credits

Any DIG1### course

Any DIG2### course

DIG	2000	Introduction to Digital Media	3 Credits
DIG	2251	Audio Production I	3 Credits
DIG	2303	Character Development	3 Credits
DIG	2304	Game Environments	3 Credits
DIG	2341	Motion Graphics I	3 Credits
DIG	2351	2D Animation	3 Credits
DIG	2581	Portfolio Design	4 Credits
DIG	2930	Selected Studies in Digital Media	3 Credits
DIG	2941	Internship in Digital Media	1 Credits
DIG	2942	Internship in Digital Media	2 Credits
DIG	2949	Internship in Digital Media	3 Credits

Any FIL1### course

Any FIL2### course

Any GRA1### course

Any GRA2### course

GRA	2101	Introduction to Computer Graphics	3 Credits
GRA	2121	Digital Publishing I	3 Credits
GRA	2122	Digital Publishing II	3 Credits
GRA	2124	Layout and Design	3 Credits
GRA	2201	Digital Imaging I	3 Credits
GRA	2206	Typography	3 Credits
GRA	2930	Selected Studies in Computer Graphics	3 Credits
GRA	2931	Selected Studies in Computer Graphics	1 Credits
GRA	2941	Internship in Computer Graphics	1 Credits
GRA	2942	Internship in Computer Graphics	2 Credits
GRA	2949	Internship in Computer Graphics	3 Credits
GRA	2950	Graphic Arts Study Abroad	3 Credits

Any PGY1### course

Any PGY2### course

Any RTV1### course

RTV	1240	Introduction to Audio Production	3 Credits
RTV	1241	Introduction to Television Production II	4 Credits

Any RTV2### course

RTV	2206	Television Directing	3 Credits
RTV	2250	Video Post Production	3 Credits
RTV	2251	Advanced Editing	3 Credits
RTV	2925	TV Workshop	3 Credits
RTV	2930	Selected Studies in Television Production	3 Credits
RTV	2941	Cooperative Education Internship in Radio/TV	1 Credits
RTV	2942	Cooperative Education Internship in Radio/TV	2 Credits
RTV	2949	Cooperative Education Internship in Radio/TV	3 Credits

Any TPA1### course

TPA	1200	Stagecraft I	3 Credits
TPA	1248	Theatrical Make-up	2 Credits

Any TPA2### course

TPA	2000	Introduction to Stage Design	3 Credits
TPA	2180	Themed Environmental Design	3 Credits
TPA	2201	Technical Theatre Production	2 Credits
TPA	2204	Stagecraft II	3 Credits

Any TPP1### course

TPP	1100	Acting I	3 Credits
TPP	1200	Healthcare Theatre	3 Credits
TPP	1500	Movement for the Actor	3 Credits

Any TPP2### course

TPP	2111	Acting II	3 Credits
TPP	2255	Musical Theatre / Opera Workshop	1 Credits
TPP	2300	Directing	3 Credits
TPP	2700	Voice and Articulation I	2 Credits
TPP	2701	Voice and Articulation II	2 Credits

General Education Courses   15 Credits

Communication General Education Core course
3 Credits

ENC	1101	English I	(Gen Ed Core)	3 Credits

Humanities General Education Core course
3 Credits

ARH	1000	Art Appreciation	(Gen Ed Core)	3 Credits
HUM	2020	Experiencing the Humanities	(Gen Ed Core)	3 Credits
HUM	2020H	Honors Experiencing the Humanities	(Gen Ed Core)	3 Credits

LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Natural Science General Education Core course

3 Credits

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 60

Early Childhood Education

Associate in Science

Major Code: CHLDD-AS CIP: 1413121004

Program Description

Seminole State's Associate in Science (A.S.) degree in Early Childhood Education explores the field's historical, philosophical, political and theoretical best practices. Students gain the skills and techniques required to support the emotional, physical, language and cognitive development of children from newborn to 8 years of age. To comply with Florida State Law, Chapter 402.305.2(a), each student who enrolls in EEC 1011 will need to complete an FDLE Level II background screening with the childcare facility/school the intern is placed in prior to beginning the internship. Verification of completion must be submitted to the Early Childhood office before the start of the internship.

Profession

Early education professionals play a critical role in the growth and development of the children they serve. In this challenging, yet rewarding role, they ensure children enjoy age-appropriate academic programs and quality enrichment in a caring, nurturing and safe learning environment.

Job Outlook

Due to state-mandated adjustments in student-teacher ratios and increases in enrollment, employment in this field is expected to grow by 25 percent (faster than average) through 2020 (Source: Bureau of Labor Statistics).

College Credit Certificates

Students pursuing this degree also may obtain the following college credit certificates:

- Child Care Center Management Specialization
- Early Childhood Education—Early Intervention Specialist Certificate
- Early Childhood Education Infant/Toddler Specialization
- Early Childhood Education Preschool Specialization
- Educational Assisting Certificate

Degree Transfer

Graduates of the A.S. Degree in Early Childhood Education have these transfer options:

- Transfer to the B.S. degree (online) in Early Childhood Education (Pre-K to 3rd grade teacher certification) at Florida State College at Jacksonville (FSCJ) for B.S. level courses with the final student teaching course to be done at an approved elementary or preschool in Orlando. Link onto our website for more information https://www.seminolestate.edu/early-childhood/
- Bachelor of Science (B.S.) in Education with a concentration in Child Development at Nova Southeastern University.

Program Note

Seminole State's Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure completion of all entry requirements for the baccalaureate program of their choice.

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Required Courses   36 Credits

ARE	2000	Art and Creative Expression	3 Credits
CHD	2330	Early Literacy for Young Children	3 Credits
EEC	1000	Child Growth and Development	3 Credits
EEC	1011	Professionalism in Early Childhood Education	3 Credits
EEC	1603	Child Guidance	3 Credits
EEC	2200	Educational Practices in Early Childhood Education	3 Credits
EEC	2262	Curriculum Activities in Early Childhood	3 Credits
EEC	2702	Infant Toddler Development	3 Credits
EEC	2732	Health, Safety and Nutrition for Young Children	3 Credits
EEX	2013	Inclusion and Special Needs in Early Childhood Education	3 Credits

HSC	2400	First Aid and CPR	3 Credits
MUE	2010	Music and Movement	3 Credits

Elective Courses   9 Credits

Choose nine credits from the following list:

EEC	1006	Montessori Philosophy of Education	3 Credits
EEC	1523	Child Care Management	3 Credits
EEC	1601	Observing and Recording Behavior	3 Credits
EEC	2226	Introduction to the Principles of Math and Science for the Young Child	3 Credits
EEC	2240	Social Studies and Creative Expression for Young Children	3 Credits
EEC	2521	Child Care and Educational Organization Leadership and Management	3 Credits
EEC	2527	Childcare Education Financial and Legal Issues	3 Credits
EEC	2401	Families and Community	3 Credits

General Education Courses   15 Credits

Communication General Education Core course
3 Credits

ENC	1101	English I	(Gen Ed Core)	3 Credits

Mathematics General Education Core course
3 Credits

MAC	1105	College Algebra	(Gen Ed Core)	3 Credits
MAC	2311	Analytic Geometry and Calculus I	(Gen Ed Core)	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	(Gen Ed Core)	5 Credits
MGF	1106	College Mathematics	(Gen Ed Core)	3 Credits
MGF	1107	Liberal Arts Mathematics	(Gen Ed Core)	3 Credits
STA	2023	Statistical Methods I	(Gen Ed Core)	3 Credits

STA	2023H	Honors Statistical Methods I	(Gen Ed Core)	3 Credits

Social Science General Education Core course*
3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	(Gen Ed Core) (Civic Lit)	3 Credits
POS	2041H	Honors U.S. Federal Government	(Gen Ed Core) (Civic Lit)	3 Credits

Humanities General Education Core course
3 Credits

ARH	1000	Art Appreciation	(Gen Ed Core)	3 Credits
HUM	2020	Experiencing the Humanities	(Gen Ed Core)	3 Credits
HUM	2020H	Honors Experiencing the Humanities	(Gen Ed Core)	3 Credits
LIT	2000	Introduction to Literature	(Gen Ed Core)	3 Credits
MUL	2010	Music Appreciation	(Gen Ed Core)	3 Credits
MUL	2010H	Honors Music Appreciation	(Gen Ed Core)	3 Credits
PHI	2010	Introduction to Philosophy I	(Gen Ed Core)	3 Credits
PHI	2010H	Honors Intro to Philosophy I	(Gen Ed Core)	3 Credits
THE	2000	Theatre Appreciation	(Gen Ed Core)	3 Credits

Natural Science General Education Core course
3 Credits

AST	1002	Introduction to Astronomy	(Gen Ed Core)	3 Credits
AST	1002H	Honors Introduction to Astronomy	(Gen Ed Core)	3 Credits
BSC	1005	Concepts of Biology	(Gen Ed Core)	3 Credits
BSC	1005H	Honors Concepts of Biology	(Gen Ed Core)	3 Credits

| BSC | 1005C | Concepts of Biology with Lab | Gen Ed Core | 4 Credits |
| BSC | 1085 | Anatomy and Physiology I - Transfer | Gen Ed Core | Credits |

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Total Credits: 60

STEM
Associate in Science
Major Code: CHEMT–AS CIP: 1641030100
Program Description
This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards needed to prepare for future education and careers in the career clusters of Chemistry, Biology and Engineering.

Chemical/Biological Specialization: Complementing the Associate in Arts degree, this specialization prepares students academically with the Biology, Chemistry, Physics and Mathematics courses needed for advanced study in these fields.

Engineering Specialization: Complementing the Associate in Arts degree, this specialization prepares students academically with the Engineering, Physics and Mathematics courses needed for all engineering programs.

Pharmacy Specialization: Complementing the Associate in Arts degree, this specialization prepares students academically with the Biology, Chemistry and the Anatomy and Physiology courses needed for advanced study in the Pharmacy field.

Program Note
Seminole State's Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure completion of all entry requirements for the baccalaureate program of their choice.

Profession
Chemical technicians use special instruments and techniques to help chemists and chemical engineers research, develop, produce, and test chemical products and processes.

Career Opportunities
Graduates of this program are prepared to work in laboratories, where they conduct experiments, or in manufacturing facilities, such as chemical or pharmaceutical manufacturing plants, where they monitor production processes.

Job Outlook
Employment of chemical technicians is projected to grow 4 percent from 2016 to 2026. (Source: Bureau of Labor Statistics)

Required Courses   28 Credits

Students must complete all Required Courses with a grade of "C" or higher.

Choose MAC 1114 and MAC 1140 or MAC 1147 or MAC 2311

MAC 1114 and MAC 1140

MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/Trigonometry		5 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits

Any General Ed Natural Science Area A or B

3 Credits

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits
MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Choose one of the following specializations:

16 Credits

Students must complete all Specialization Courses with a grade of "C" or higher.

Chemical/Biological Technical Specialization

CHM	2210C	Organic Chemistry I		4 Credits
CHM	2211C	Organic Chemistry II		4 Credits

Choose one Physics sequence

PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

or

PHY	1053C	General Physics I	Gen Ed Core	4 Credits

PHY	1054C	General Physics II		4 Credits

Engineering Specialization

EGS	1006	Introduction to the Engineering Profession		1 Credits
EGN	1007	Engineering Concepts and Methods		1 Credits
EGN	2440	Probability Statistics for Engineers		3 Credits
MAP	2302	Elementary Differential Equations		3 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2049C	Physics with Calculus II		4 Credits

Pharmacy Specialization

BSC	2093C	Anatomy and Physiology I	4 Credits
BSC	2094C	Anatomy and Physiology II	4 Credits
CHM	2210C	Organic Chemistry I	4 Credits
CHM	2211C	Organic Chemistry II	4 Credits

Elective Courses   21 Credits

If not used for Required or General Education courses

Students must complete all Elective Courses with a grade of "C" or higher.

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2011C	General Biology II		4 Credits
CHM	2046C	General Chemistry II with Qualitative Analysis		4 Credits
EGN	2312	Engineering Analysis - Statics		3 Credits
EGN	2322	Engineering Analysis Dynamics		3 Credits
EGN	2610	Engineering Economic Analysis		2 Credits

ENC 1102 or ENC 1210

ENC	1102	English II	3 Credits
ENC	1210	Technical Writing	3 Credits

MAC	2313	Analytic Geometry and Calculus III		4 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	1147	Precalculus Algebra/Trigonometry		5 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MCB	2010C	Microbiology		4 Credits

PHY 1053C or PHY 2048C

PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits

PHY 1054C or PHY 2049C

PHY	1054C	General Physics II	4 Credits
PHY	2049C	Physics with Calculus II	4 Credits
SLS	1301C	Life/Career Planning	3 Credits
SLS	1603	Financial Success for Students	1 Credits
SLS	2941	Internship Exploration	1 Credits
SLS	2949	Internship Exploration	3 Credits
SLS	2942	Internship Exploration	2 Credits

STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

Any General Education Social Science course in an Area not already taken

Area A Anthropology

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits

Area B Economics

ECO	1000	Basic Economics		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits

ECO	2013H	Honors Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Area C Geography

| GEA | 1000 | World Regional Geography | 3 Credits |
| GEO | 1200 | Introduction to Physical Geography | 3 Credits |

Area D Political Science

CPO	1421	Politics, Society, and Islam		3 Credits
INR	2002	International Relations		3 Credits
INR	2002H	Honors International Relations		3 Credits
PAX	2000	Introduction to Peace Studies		3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
POT	2002	Political Theory		3 Credits
POT	2002H	Honors - Political Theory		3 Credits
POT	2301	Political Ideology - Introduction		3 Credits
PUP	2230	Energy and Environmental Policy		3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior	3 Credits
CLP	2140	Abnormal Psychology	3 Credits
DEP	2004	Developmental Psychology	3 Credits
INP	2002	Introduction to Industrial Psychology	3 Credits
PPE	2001	Psychology - Introduction to Personality	3 Credits

PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2012H	General Psychology Honors	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2000H	Honors Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2110H	Honors Introduction to Social Research		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYP	2512	Sociology of Deviance		3 Credits

Co-op or Selected Studies options

BSC	2942	Internship in Biology	2 Credits
BSC	2949	Internship in Biology	3 Credits
CHM	2941	Internship in Chemistry	1 Credits
CHM	2942	Internship in Chemistry	2 Credits
CHM	2949	Internship in Chemistry	3 Credits
EGN	2949	Coop Engineer	1 Credits
BSC	2930C	Selected Studies in Biology	3 Credits
CHM	2930	Selected Studies in Chemistry	3 Credits
EGS	2930	Selected Studies in Engineering	3 Credits
EGS	2931	Selected Studies in Engineering	1 Credits

Any ISC1### course

| ISC | 1932 | Science Seminar - Research | 1 Credits |

ISC	1933	Science Seminar - Careers	1 Credits
ISC	1937	Science Seminar - Environmental	1 Credits

Any ISC2### course

ISC	2530	Introduction to STEM Research	1 Credits
ISC	2531	STEM Research	1 Credits
ISC	2930	Selected Studies in the Earth Sciences	3 Credits

General Education Courses   15 Credits

ENC	1101	English I	Gen Ed Core	3 Credits
MAC	1105	College Algebra	Gen Ed Core	3 Credits

or higher level mathematics course

SPC	1608	Speech Communication	3 Credits

Humanities General Education Core course

3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Social Science General Education course*+

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and

an assessment. Refer to the online catalog for assessment options.

+Or any other Social Science general education course if POS 2041 was taken in the AA degree.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 64

Child Care Center Management Specialization
Technical Certificate

Major Code: CHLDM-CC CIP: 0419070906

Program Description

This 12-credit-hour certificate includes a series of courses for those who wish to complete a college credit certificate to become a childcare center director in the state of Florida. This certificate includes the courses required of childcare center directors to meet the Director credential requirements.

Required Courses   12 Credits

EEC	1000	Child Growth and Development	3 Credits
EEC	1523	Child Care Management	3 Credits
EEC	2200	Educational Practices in Early Childhood Education	3 Credits
EEC	1603	Child Guidance	3 Credits

Total Credits: 12

Digital Video Fundamentals
Technical Certificate

Major Code: TVFUN-CC CIP: 0610020205

Program Description

This program is designed for students who intend to seek employment in the television industry and/ or related fields. Students enrolled in the A.A. degree or the A.S. degree, Digital Cinema and Television Production

Associate in Science program may earn the Digital Video Fundamentals Certificate upon completion of the following courses:

Required Courses

RTV	1201C	Introduction to Television Production I	4 Credits

RTV 1201 and RTV 1201L may substitute for RTV 1201C

RTV	1241	Introduction to Television Production II	4 Credits
RTV	2245C	Electronic Field Production	4 Credits

Total Credits: 12

Early Childhood Education Early Intervention Specialist Technical Certificate

Major Code: EINSP-CC CIP: 0419070904
Program Description

The Child Development Program offers a planned sequence of courses leading to the Child Development Early Intervention Certificate. This college credit certificate program is designed for persons interested in becoming paraprofessionals who work with young children with disabling conditions and their families. Additionally, this program of study will prepare staff in early care and education centers with information on how to provide a developmentally appropriate program for infants, toddlers and preschool children with special needs. This certificate may be applied toward the A.S. Degree, Early Childhood Education.

Required Courses   36 Credits

ARE	2000	Art and Creative Expression	3 Credits
EEC	1000	Child Growth and Development	3 Credits
EEC	1601	Observing and Recording Behavior	3 Credits
EEC	1603	Child Guidance	3 Credits
EEC	2200	Educational Practices in Early Childhood Education	3 Credits
EEC	2702	Infant Toddler Development	3 Credits
EEC	2732	Health, Safety and Nutrition for Young Children	3 Credits

EEX	2013	Inclusion and Special Needs in Early Childhood Education	3 Credits
MUE	2010	Music and Movement	3 Credits

Choose nine credits from the following list:

CHD	2330	Early Literacy for Young Children	3 Credits
EEC	1006	Montessori Philosophy of Education	3 Credits
EEC	2262	Curriculum Activities in Early Childhood	3 Credits
EEC	2401	Families and Community	3 Credits

Total Credits: 36

Early Childhood Education Infant/Toddler Specialization Technical Certificate

Major Code: ECEIT-CC CIP: 0419070907
Program Description

This 12-credit-hour certificate recognizes the completion of a series of courses needed by early childhood teachers who wish to complete the college-credit requirements for a staff credential to work in group care settings with children under the age of five. This certificate is upward compatible with the A.S. degree, Early Childhood Education.

Required Courses   12 Credits

EEC	1000	Child Growth and Development	3 Credits
EEC	2702	Infant Toddler Development	3 Credits
EEC	2732	Health, Safety and Nutrition for Young Children	3 Credits
EEC	1603	Child Guidance	3 Credits

Total Credits: 12

Early Childhood Education, Preschool Specialization Technical Certificate

Major Code: CHLDP-CC CIP: 0419070908
Program Description

This 12-credit-hour certificate program is part of the Early Childhood Associate Degree program that prepares students for entry into employment in a

childcare center. This certificate offers a sequence of courses that provides a student with an understanding of developmentally appropriate practices in early childhood and relevant technical knowledge and skills needed for entry into the childcare profession. The student can use these courses as partial completion of the Florida Staff Credential.

Required Courses   12 Credits

EEC	1000	Child Growth and Development	3 Credits
EEC	2200	Educational Practices in Early Childhood Education	3 Credits
EEC	2732	Health, Safety and Nutrition for Young Children	3 Credits
EEC	1603	Child Guidance	3 Credits
			Total Credits: 12

Instructional Design
Technical Certificate
Major Code: INSDSGN-CC CIP: 0609070211
Program Description
This fully online certificate program offers a skill set in the evolving field of technology and education. The program prepares students from various backgrounds and levels of technological experience with the knowledge and skills necessary to effectively design, develop, facilitate and evaluate instruction for delivery in the classroom or online. Students will work in a variety of settings including K-12, higher education, corporate, healthcare, nonprofit, military and government. Students will benefit from the opportunities to engage with fellow professionals on emergent topics in technology and education as they fulfill flexible project assignments that can be adapted to their relevant professional activities.

Required Courses   15 Credits

EME	2450	Introduction to Distance Education	3 Credits
EME	2670	Introduction to Instructional Design	3 Credits
EME	2040	Introduction to Technology for Educators	3 Credits

Choose one course from the following list:

EDF	2130	Children and Adolescent Development for Educators	3 Credits
EDF	2170	The Adult Learner	3 Credits
EDP	2002	Introduction to Educational Psychology	3 Credits

Choose one course from the following list:

EME	2004	Introduction to Project Management	3 Credits
EME	2470	Teaching and Learning in the Connected Age	3 Credits
MNA	1032	Principles of Project Management	3 Credits
			Total Credits: 15

Stage Technology
Technical Certificate
Major Code: STAGE-CC CIP: 0650050201
Program Description
This certificate program is designed to provide students with the foundational skills required to begin production work in central Florida's entertainment industry. The program's emphasis on production skills that includes stagecraft, prop fabrication, scenic painting and stage lighting will prepare students for traditional theatre, theme park, scene shop, convention and industrial theatre employment.

Required Courses   11 Credits

THE	1304	Script Analysis	3 Credits
TPA	1200	Stagecraft I	3 Credits
TPA	2201	Technical Theatre Production	2 Credits
TPA	2201L	Technical Theatre Production Lab	1 Credits
THE	2925	Theatre Production and Performance	1 Credits

THE 2925 Theatre Production and Performance must be completed 2 times.

Elective Courses   6 Credits

TPA	2000	Introduction to Stage Design	3 Credits
TPA	2180	Themed Environmental Design	3 Credits
TPA	1248	Theatrical Make-up	2 Credits
TPA	2204	Stagecraft II	3 Credits
			Total Credits: 17

Video Editing and Post Production Technical Certificate

Major Code: TVEDT-CC CIP: 0650060200
Program Description
This program is designed for students who intend to seek employment in the television industry and/or related fields. Students enrolled in the A.A. degree or the A.S. Degree, Digital Cinema and Television Production
Associate in Science program may earn the Video Editing and Post Production Certificate upon completion of the following courses:

Required Courses   24 Credits

ENC	1101	English I	3 Credits
RTV	1201C	Introduction to Television Production I	4 Credits

RTV 1201 and RTV 1201L may substitute for RTV 1201C

RTV	1241	Introduction to Television Production II	4 Credits
RTV	2245C	Electronic Field Production	4 Credits
RTV	2250	Video Post Production	3 Credits
RTV	2925	TV Workshop	3 Credits
RTV	2251	Advanced Editing	3 Credits
			Total Credits: 24

Educator Preparation Institute Certificate of Completion
Certificate of Achievement

Major Code: EDPREP CIP: 5551399990
Program Description

The Educator Preparation Institute (EPI) is a nine-month, competency-based program that provides baccalaureate degree holders in a field other than education the opportunity to become certified K-12 teachers. Applicants are screened for participation in this program.

The Educator Preparation Institute is a restricted-access program. Applicants must:
- Possess a bachelor's degree or higher from an accredited postsecondary college or university and provide an official (unopened) transcript(s);
- Complete the Seminole State College admissions application;
- Obtain a statement of Status of Eligibility from the Florida Department of Education;
- Obtain security clearance through fingerprinting for a background check with the local school district(s);
- Attend an EPI information session;
- Complete and pass the state of Florida General Knowledge Exam, the Professional Exam and Subject Area Exam before completing the EPI program.

Those accepted into the EPI program will receive institutional credits which cannot be used as college credit hours. However, these hours are transportable from an alternative teacher certification program to another at participating institutions within the Florida state higher education system.

Required Courses

EPI	0001	Classroom Management Module 1A	3 Credits
EPI	0002	Instructional Strategies Module 1B	3 Credits
EPI	0005	Methods of Teaching English to Speakers of Other Languages (ESOL)	3 Credits
EPI	0010	Foundations of Research Based Practices in Reading	4 Credits
EPI	0011	Foundations of Assessment and Differentiation	4 Credits
EPI	0030	Diversity in the Classroom: Module 4A	2 Credits
		Selected Topics for Professional	1 Credits

| EPI | 0930 | Development | |
| EPI | 0950 | Teaching Methods Practicum | 5 Credits |

Optional courses for students seeking the Reading Endorsement:

| EPI | 0009 | Foundations of Language and Cognition | 3 Credits |

EPI	0010	Foundations of Research Based Practices in Reading	4 Credits
EPI	0011	Foundations of Assessment and Differentiation	4 Credits
EPI	0012	Foundations of Differentiation	3 Credits
EPI	0014	Demonstration of Accomplishment	3 Credits

Total Credits: 25

School of Business, Health and Public Safety

Bachelor of Applied Science

- Management and Organizational Leadership

Bachelor of Science

- Business and Information Management
- Health Sciences
- Nursing
- Public Safety Administration

Certificate of Professional Preparation

- Criminal Justice
- Emergency Medical Services
- Fire Science
- Health Coaching and Human Performance
- Simulation in Healthcare Education
- Social Media and E-Marketing Analytics

Associate in Science

- Accounting Technology
- Administrative Office Management
- Business Administration
- Criminal Justice Technology
- Emergency Medical Services (EMS)
- Entrepreneurship and Business Management
- Fire Science Technology
- Health Information Technology
- Health Services Management
- Hospitality and Tourism Management
- Legal Assistant/Paralegal
- Nursing (RN)
- Physical Therapist Assistant (PTA)
- Respiratory Care
- Social Media and Marketing

Technical Certificate

- Accounting Applications
- Accounting Operations
- Accounting Specialist
- Business Operations
- Business Specialist
- Chef's Apprentice
- Criminal Justice Technology Specialist
- Emergency Medical Technician - Basic (EMT)
- Entrepreneurship
- Entrepreneurship Operations
- Event Planning Management
- Financial Operations

- Financial Operations Specialist
- Fire Officer Supervisor
- Food and Beverage Management
- Food and Beverage Operations
- Food and Beverage Specialist
- Guest Services Specialist
- Healthcare Services Specialist
- Homeland Security Professional Certificate
- Human Resources Administrator
- Management
- Marketing
- Medical Information Coder/Biller: Health Information Management
- Office Management
- Office Specialist
- Office Support
- Paramedic Technology
- Pharmacy Technician
- Real Estate Paraprofessional
- Rooms Division Management
- Rooms Division Operations
- Rooms Division Specialist
- Small Business Management
- Supply Chain Management

Career Certificate

- Correctional Officer Training to Florida Law Enforcement Academy
- Cross-over: Law Enforcement Officer to Corrections
- Crossover from Correctional Probation Officer to Law Enforcement Officer
- Fire Academy
- Fire Academy/EMT Combined
- Florida Law Enforcement Academy
- Traditional Correctional Basic Recruit Training Program

Gen Ed Core Denotes that a class is a State of Florida General Education Core Course.

Beginning in the 2022-23 academic year and thereafter, students entering associate in arts, associate in science or associate in applied science, or baccalaureate degree programs must complete at least one (1) course from each of the general education subject areas listed in this section prior to the awarding of their degree. Please refer to this

catalog's Graduation Requirements section for specific requirements on the General Education Core Courses .

(Civic Lit) Denotes that a class counts toward the course Civic Literacy Requirement.

The State of Florida requires that all students graduating from Seminole State College of Florida and other institutions in the Florida College System (FCS), as well as from any State University System (SUS) institution, fulfill a Civic Literacy Competency requirement prior to submitting an Intent to Graduate form in the term they plan to graduate. Requirements vary based on admit term and program. Please refer to this catalog's Graduation Requirements section for specific requirements on the Civic Literacy Proficiency Requirement.

Foreign Language Proficiency

Per Florida Statute 1007.25, "Beginning with students initially entering a Florida College System institution or state university in 2014-2015 and thereafter, coursework for an associate in arts degree shall include demonstration of competency in a foreign language." Please refer to this catalog's Graduation Requirements section for specific requirements on Foreign Language Proficiency.

Students enrolled in Seminole State College's baccalaureate degree programs must demonstrate foreign language proficiency. Students who have previously received a baccalaureate degree from a regionally accredited institution are exempt from this requirement. Please refer to this catalog's Graduation Requirements section for specific requirements on Foreign Language Proficiency.

Management and Organizational Leadership
Bachelor of Applied Science
Major Code: MGMT-BAS CIP: 1105202991
Program Description

The Management and Organizational Leadership BAS allows students the opportunity to pursue a degree that highlights a diverse curriculum focused on providing students with the skills and abilities to enter into an in-demand, high-skill, high-wage workforce. The curriculum will focus on learning the skills needed to effectively manage diverse groups of people with varying communication and cultural styles. Students will learn, grow, and excel in skills to effectively lead with integrity and character in virtually any leadership or management scenario.

The BAS degree will offer concentrations in Entrepreneurship and General Business. The two tracks are interchangeable allowing the students to choose which educational path is best suited to fit their professional needs. Coursework will cover real-world scenarios that provide students with the opportunity to enhance their critical thinking and communication skills. Students will cover topics related to finance, leadership, professional ethics, analytical thinking, and team building. Management theories and principles will also be examined throughout the program. The coursework will conclude with a capstone project in organizational management.

Entrepreneurship Specialization: The Entrepreneurship Specialization will prepare graduates to readily launch an entrepreneurial venture or pursue a variety of career opportunities at an established business enterprise, small or large.

General Business Specialization: This specialization is specifically designed for graduates of A.S. programs and provides the prerequisite coursework to enter the BAS degree as part of the total program requirements.

Program Admission

Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an associate's degree or bachelor's degree from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.0 or higher.
- Program Progression Requirements: once admitted, students must achieve (or have achieved) a grade of "C" or higher in the following courses:
  - ACG 2021 Principles of Financial Accounting
  - ACG 2071 Principles of Managerial Accounting
  - CGS 2100C Computer Applications
  - STA 2023 Statistical Methods I
  - MAC 1105 College Algebra

Career Opportunities

Seminole State's Bachelor of Applied Science in Management and Organizational Leadership degree program is designed to prepare graduates for higher-level management and supervisory opportunities. The Florida Department of Economic Opportunity (DEO) projects significant growth in jobs, 860 per year, as well as compensation for those entering mid-to high-level management positions.

Graduates of this program are employed as:
- Chief Executives
- Compensation and Benefit Managers
- Financial Managers
- General Managers
- Operations Managers
- Industrial Production Managers
- Management Analysts
- Social and Community Service Managers
- Sales Managers

Required Courses   27 Credits

ACG	3024	Accounting for Non-Financial Majors	3 Credits
MAN	4504	Operational Decision Making	3 Credits

MAN	3240	Organizational Management	3 Credits
GEB	4891	Strategic Management and Decision Making	3 Credits
GEB	4900	Capstone in Management and Organizational Leadership	3 Credits
BUL	3130	Legal and Ethical Environments of Business	3 Credits
MAN	3025	Management of Organizations	3 Credits
LDR	3332	Management and Leadership Development	3 Credits
FIN	3403	Principles of Business Finance	3 Credits

Elective Courses 57 Credits

Any Upper or Lower Division Electives
45 Credits

Exclusive of courses with a number beginning with zero or courses designated as non-transfer.

Recommended electives:

GEB	3213	Writing for Business	3 Credits
MAN	3320	Management of Strategic Human Resources	3 Credits
ISM	3011C	Essentials of Management Information Systems	3 Credits
MAR	3023	Principles of Marketing	3 Credits

Choose 12 credits of elective courses from one of the following Specializations:
12 Credits

Entrepreneurship Specialization
12 Credits

ENT	3183	Commercializing New Technologies	3 Credits
ENT	4113	Entrepreneurship: New Business Development	3 Credits
FIN	4470	Entrepreneurial Finance	3 Credits
MAR	3721	Digital Media Marketing	3 Credits

General Business Specialization
12 Credits

ENT	3183	Commercializing New Technologies	3 Credits
ENT	4113	Entrepreneurship: New Business Development	3 Credits
FIN	4470	Entrepreneurial Finance	3 Credits
GEB	3955	Travel Study in Business	3 Credits
MAN	3781	Sustainable Business Strategies	3 Credits
MAN	4597	Global Supply Chain Management	3 Credits
MAN	4600	International Business and Management	3 Credits
MAR	3415	Professional Selling and Negotiation	3 Credits
MAR	3721	Digital Media Marketing	3 Credits
MAR	4233	Social Media Marketing	3 Credits
MAR	4674	Marketing Analytics	3 Credits
MAR	4860	Customer Relationship Management	3 Credits

Foundation Courses

Foundation courses may be applied towards elective and certain General Education requirements.

ACG	2021	Principles of Financial Accounting		3 Credits
ACG	2071	Principles of Managerial Accounting		3 Credits
CGS	2100C	Computer Applications		3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
MAC	1105	College Algebra	Gen Ed Core	3 Credits

General Education Courses 36 Credits

Communication - Must take one Core Course
9 Credits

Choose one course:
3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1101H	Honors English I	Gen Ed Core	3 Credits

Choose one course:

SPC	1608	Speech Communication	3 Credits
SPC	1608H	Honors Speech Communication	3 Credits

Choose one course:

3 Credits

ENC	1102	English II	3 Credits
ENC	1102H	Honors English II	3 Credits

Humanities - Must take one Core Course

6 Credits

3 credits must be from Humanities Area A and 3 credits must be from Humanities Area B

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2022H	Honors Liberal Arts Humanities		3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits
HUM	2232	Renaissance/Baroque Humanities		3 Credits
HUM	2234	18th and 19th Century Humanities		3 Credits
HUM	2250	20th/21st Century Humanities		3 Credits
HUM	2250H	Honors 20th/21st Century Humanities		3 Credits
HUM	2322	Women, Gender and Culture		3 Credits
HUM	2322H	Honors Women, Gender and Culture		3 Credits

HUM	2410	Asian Humanities	3 Credits
HUM	2410H	Honors Asian Humanities	3 Credits
HUM	2454	African American Humanities	3 Credits
HUM	2454H	Honors African American Humanities	3 Credits
HUM	2461	Latin American Humanities	3 Credits
HUM	2461H	Honors Latin American Humanities	3 Credits
HUM	2821	LGBTQ Studies in the Humanities	3 Credits
PHI	1630	Contemporary Ethical Problems	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
REL	2300	Religions of the World	3 Credits

Artistic and Literary Humanities Area B

AML	2010	American Literature I	3 Credits
AML	2020	American Literature II	3 Credits
AML	2600	Survey of African American Literature	3 Credits
ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
ARH	2050	Art History I	3 Credits
ARH	2051	Art History II	3 Credits
ENG	2100	The Art of Film	3 Credits
ENG	2103	World Cinema	3 Credits
ENL	2012	British Literature I	3 Credits
ENL	2022	British Literature II	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
LIT	2090	Contemporary Literature	3 Credits
LIT	2090H	Honors Contemporary Literature	3 Credits

LIT	2120	World Literature II		3 Credits
LIT	2120H	Honors World Literature II		3 Credits
MUH	2022	History of Rock Music		3 Credits
MUH	2026	Introduction to Blues and Jazz		3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
MUL	2014	Introduction to Music History and Literature		3 Credits
THE	1304	Script Analysis		3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits
THE	2239	The Development of African American Theatre		3 Credits

Social Science and History - Must take one Core Course

9 Credits

Courses must be taken from three areas.

Three credits must be taken from History

Social Science General Education courses

6 Credits

Area A Anthropology

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits

Area B Economics

ECO	1000	Basic Economics		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2013H	Honors Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)		3 Credits

ECO	2930	Selected Studies in Economics		3 Credits

Area C Geography

GEA	1000	World Regional Geography		3 Credits
GEO	1200	Introduction to Physical Geography		3 Credits

Area D Political Science

CPO	1421	Politics, Society, and Islam		3 Credits
INR	2002	International Relations		3 Credits
INR	2002H	Honors International Relations		3 Credits
PAX	2000	Introduction to Peace Studies		3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
POT	2002	Political Theory		3 Credits
POT	2002H	Honors - Political Theory		3 Credits
POT	2301	Political Ideology - Introduction		3 Credits
PUP	2230	Energy and Environmental Policy		3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior		3 Credits
CLP	2140	Abnormal Psychology		3 Credits
DEP	2004	Developmental Psychology		3 Credits
INP	2002	Introduction to Industrial Psychology		3 Credits
PPE	2001	Psychology - Introduction to Personality		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2012H	General Psychology	Gen Ed Core	3 Credits

		Honors		
PSY	2602	The Evolution of Modern Psychology		3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2000H	Honors Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2110H	Honors Introduction to Social Research		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYP	2512	Sociology of Deviance		3 Credits

History   3 Credits

AMH	2010	United States History to 1865		3 Credits
AMH	2010H	Honors United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
AMH	2020H	Honors United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
AMH	2035	The United States 1945 to Present		3 Credits
AMH	2070	History of Florida		3 Credits
AMH	2090	United States Women's History		3 Credits
AMH	2090H	Honors United States Women's History		3 Credits
AMH	2091	African American History		3 Credits
EUH	2000	Western Civilization to 1600		3 Credits
EUH	2000H	Honors Western Civilization to 1600		3 Credits
EUH	2001	Western Civilization 1600 to Present		3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present		3 Credits
HPS	2100H	Honors History Meets Science		3 Credits
LAH	2020	Latin American History		3 Credits
WOH	1022	World History Since 1500		3 Credits
WOH	2232	Survey of Early Christianity		3 Credits

Natural Science - Must take one Core Course

6 Credits

Courses must be taken from two areas

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits

ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits
MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Area C Physical Science

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits

| PHY | 2048CH | Honors Physics with Calculus I | Gen Ed Core | 4 Credits |
| PSC | 2521 | Sustainability: Concepts and Issues | | 3 Credits |

Mathematics - Must take one Core Course

6 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Total Credits: 120

Business and Information Management Bachelor of Science

Major Code: BIM-BS CIP: 1105212011

Program Description

The Bachelor of Science in Business and Information Management (B.S.B.I.M.) degree is designed for students interested in making business organizations more efficient and effective through entrepreneurship and the use of business skills, including applying technology. This field requires a solid understanding of business practices combined with an understanding of the role information systems play within an organization. Professionals who practice in the field of Business and Information Management serve as a communication bridge between those who implement information systems technology and the business end users of these systems. They help ensure that organizations make information available in a timely manner and in an easily understandable format to provide strategic advantage.

The curriculum emphasizes skills necessary to

sustain and grow a business through marketing, general business, management practices and the application of law and ethics. The curriculum also focuses on the analysis and implementation of information systems, data management, data communications, as well as currently emerging topics such as enterprise system processes and knowledge management. Students interested in careers as business analysts, business operations specialists, business support managers, chief information officers and management information systems managers will find this program especially beneficial. The B.S. degree in Business and Information Management consists of 120 credits including 36 credits of General Education courses.

Data Analytics Specialization: The Data Analytics specialization in the Business Information Management program provides the depth of content with applied analytics labs that produce graduates with a strong foundation of in-demand data analytics technology tools that model, analyze, program and visualize data for statistically-sound and informed organizational decision-making.

Entrepreneurship Specialization: Seminole State's Entrepreneurship specialization is designed to prepare students with the necessary skills to succeed as an entrepreneur to start a business or to implement changes within an organization as an intrapreneur. Graduates will be trained on the specific skills needed to maintain a solid financial foundation for a business. Content will also include implementation of contemporary digital media technologies.

Human Resources Specialization: The Human Resources specialization prepares students for positions within the Human Resource Management (HRM) field and provides supplemental training for persons currently employed in this field. This specialization provides students with an in-depth study of the human resources processes throughout both large and small organizations. The core business and information curriculum is supplemented by courses in compensation, benefits, employee training and employment law.

Interdisciplinary Specialization: This specialization is specifically designed for graduates of A.S.

programs and provides the prerequisite coursework to enter the BS degree as part of the total program requirements.

Social Media and E-Marketing Specialization: The Social Media and E-Marketing specialization is intended for individuals who desire to pursue careers in social media and e-marketing related industries and has been designed to enhance one's knowledge and skills essential in these same areas.

Program Admission
Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an associate's degree or bachelor's degree from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.0 or higher.
- Program Progression Requirements: once admitted, students must achieve (or have achieved) a grade of "C" or higher in the following courses:
  - ACG 2021 Principles of Financial Accounting
  - ACG 2071 Principles of Managerial Accounting
  - CGS 2100C Office Applications
  - ECO 2013 Principles of Economics (MACRO)
  - ECO 2023 Principles of Economics (MICRO)
  - MAC 2233 Concepts of Calculus
  - STA 2023 Statistical Methods I

Profession
Professionals working in business and information management serve as a communication bridge between those who implement information systems technology and the business end users of these systems. They apply business skills and technology

to make sound business decisions and drive strategic vision and actions. The field requires a solid understanding of business practices combined with an understanding of the role information systems play within an organization. Individuals who think fast, work hard and excel at multitasking should consider this high-paying profession. Whether you want to work for a Fortune 500 company or run your own business, this degree is for you.

Entrepreneurs need to understand how to grow opportunities. Business-oriented professionals who want to support organizations or become entrepreneurs must have both business and information skills. These professionals apply business skills such as marketing, investment strategies, legal and leadership skills in the world of commerce. Understanding information systems is a key factor in gaining success in today's global marketplace.

Career Opportunities

State figures project more than 1,054 annual job openings for business and information managers in Central Florida through 2017. Nationally, business and information systems managers command competitive salaries. A bachelor's degree in business and information management prepares you for these careers:

· Business Analyst
· Business Application Developer
· Business Manager
· Business Operations Specialist
· Business Process Manager
· Business Support Manager
· Chief Executive
· Chief Information Officer
· Entrepreneur
· Enterprise Systems Analyst
· Franchise Owner
· Information Systems Manager
· Investor
· Management Analyst
· Marketing and Sales Manager
· Systems Manager

Required Courses   48 Credits

Students must complete all Required Courses with a grade of "C" or higher.

Choose ENC 3213 or GEB 3213

ENC	3213	Technical and Business Writing	3 Credits
GEB	3213	Writing for Business	3 Credits
BUL	3130	Legal and Ethical Environments of Business	3 Credits
FIN	3403	Principles of Business Finance	3 Credits
GEB	3376	The Entrepreneurial and Intrapreneurial Manager	3 Credits
ISM	3011C	Essentials of Management Information Systems	3 Credits
ISM	3424	Business Modeling Using Simulation	3 Credits
ISM	4153	Introduction to Enterprise Processing Environments	3 Credits
ISM	4314	Project Management	3 Credits
ISM	4431	Business Process Management Systems	3 Credits
ISM	4881	Capstone Project	3 Credits
LDR	3332	Management and Leadership Development	3 Credits
MAR	3023	Principles of Marketing	3 Credits
MAN	3025	Management of Organizations	3 Credits
MAN	3320	Management of Strategic Human Resources	3 Credits
MAR	3415	Professional Selling and Negotiation	3 Credits
OST	2852C	Microsoft Excel	3 Credits

Elective Courses   36 Credits

Any Upper or Lower Division Electives
24 Credits

Exclusive of courses with a number beginning with zero or courses designated as non-transfer.

Choose 12 credits of elective courses from one of the following Specializations:
12 Credits

Data Analytics Specialization

Specialization courses must be completed with a "C" or higher.

ISM	4541	Data Analytics I	3 Credits
ISM	4542	Data Analytics II	3 Credits
ISM	4545	Visual Analytics I	3 Credits
ISM	4547	Visual Analytics II	3 Credits

Entrepreneurship Specialization

Specialization courses must be completed with a "C" or higher.

ENT	3183	Commercializing New Technologies	3 Credits
ENT	4113	Entrepreneurship: New Business Development	3 Credits
FIN	4470	Entrepreneurial Finance	3 Credits
MAR	3721	Digital Media Marketing	3 Credits

Human Resources Specialization

Specialization courses must be completed with a "C" or higher.

MAN	4330	Compensation Management	3 Credits
MAN	4335	Employee Benefit Planning	3 Credits
MAN	4352	Effective Employee Training	3 Credits
MAN	4402	Employment Law and Regulations	3 Credits

Interdisciplinary Specialization

Specialization courses must be completed with a "C" or higher.

ACG	3361	Intermediate Managerial Accounting	3 Credits
ACG	3131	Intermediate Accounting I	3 Credits
COP	1000	Principles of Computer Programming	3 Credits

Or any 1000-level COP course

GEB	3955	Travel Study in Business	3 Credits

ISM	3113	Information Systems Analysis and Design	3 Credits
ISM	4318	Agile Project Management	3 Credits
ISM	4420	Knowledge Management: Techniques and Practices	3 Credits
ISM	4421	Artificial Intelligence for Business	3 Credits
MAN	3504	Operations Management and Logistics	3 Credits
MAN	3781	Sustainable Business Strategies	3 Credits
MAN	4600	International Business and Management	3 Credits

Any 2000, 3000 or 4000 level ACG, APA, BUL, CGS, COP, ECO, ENT, ETI, FIN, GEB, HIM, HSA, HSC, ISM, IST, LDR, MAN, MAR, MKA, MNA, OST, PLA, QMB, RMI, STA, TAX or TRA course not already required can satisfy the elective requirement

Any 3000 or 4000 level EUH, GER, INR, MUH, MUL or PUR course can satisfy the elective requirement.

Social Media and E-Marketing Specialization:

Specialization courses must be completed with a "C" or higher.

MAR	3721	Digital Media Marketing	3 Credits
MAR	4233	Social Media Marketing	3 Credits
MAR	4860	Customer Relationship Management	3 Credits
MAR	4674	Marketing Analytics	3 Credits

Foundation Courses

Foundation courses may be applied towards elective and certain General Education requirements
Foundation courses must be completed with a grade of "C" or higher

ACG	2021	Principles of Financial Accounting	3 Credits
ACG	2071	Principles of Managerial Accounting	3 Credits
CGS	2100C	Computer Applications	3 Credits

ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits

or higher level ECO course

ECO	2023	Principles of Economics (MICRO)	3 Credits

or higher level ECO course

MAC	2233	Concepts of Calculus	3 Credits

or higher level MAC prefix course

STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

or higher level Statistics course

General Education Courses   36 Credits

Communication – Must take one Core Course

9 Credits

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits
SPC	1608	Speech Communication		3 Credits

Humanities – Must take one Core Course

6 Credits

Three credits from Area A and three credits from Area B

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2022H	Honors Liberal Arts Humanities		3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits
HUM	2232	Renaissance/Baroque		3 Credits

Humanities

HUM	2234	18th and 19th Century Humanities		3 Credits
HUM	2250	20th/21st Century Humanities		3 Credits
HUM	2250H	Honors 20th/21st Century Humanities		3 Credits
HUM	2322	Women, Gender and Culture		3 Credits
HUM	2322H	Honors Women, Gender and Culture		3 Credits
HUM	2410	Asian Humanities		3 Credits
HUM	2410H	Honors Asian Humanities		3 Credits
HUM	2454	African American Humanities		3 Credits
HUM	2454H	Honors African American Humanities		3 Credits
HUM	2461	Latin American Humanities		3 Credits
HUM	2461H	Honors Latin American Humanities		3 Credits
HUM	2821	LGBTQ Studies in the Humanities		3 Credits
PHI	1630	Contemporary Ethical Problems		3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
REL	2300	Religions of the World		3 Credits

Artistic and Literary Humanities Area B

AML	2010	American Literature I		3 Credits
AML	2020	American Literature II		3 Credits
AML	2600	Survey of African American Literature		3 Credits
ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
ARH	2050	Art History I		3 Credits
ARH	2051	Art History II		3 Credits
ENG	2100	The Art of Film		3 Credits

ENG	2103	World Cinema		3 Credits
ENL	2012	British Literature I		3 Credits
ENL	2022	British Literature II		3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
LIT	2090	Contemporary Literature		3 Credits
LIT	2090H	Honors Contemporary Literature		3 Credits
LIT	2120	World Literature II		3 Credits
LIT	2120H	Honors World Literature II		3 Credits
MUH	2022	History of Rock Music		3 Credits
MUH	2026	Introduction to Blues and Jazz		3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
MUL	2014	Introduction to Music History and Literature		3 Credits
THE	1304	Script Analysis		3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits
THE	2239	The Development of African American Theatre		3 Credits

Social Science and History - Must take one Core Course

9 Credits

Courses must be taken from three areas. Three credits must be taken from History

Social Science General Education Core course

6 Credits

Area A Anthropology

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits

Area B Economics

ECO	1000	Basic Economics	3 Credits

ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2013H	Honors Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Area C Geography

GEA	1000	World Regional Geography	3 Credits
GEO	1200	Introduction to Physical Geography	3 Credits

Area D Political Science

CPO	1421	Politics, Society, and Islam		3 Credits
INR	2002	International Relations		3 Credits
INR	2002H	Honors International Relations		3 Credits
PAX	2000	Introduction to Peace Studies		3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
POT	2002	Political Theory		3 Credits
POT	2002H	Honors - Political Theory		3 Credits
POT	2301	Political Ideology - Introduction		3 Credits
PUP	2230	Energy and Environmental Policy		3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior	3 Credits

CLP	2140	Abnormal Psychology		3 Credits
DEP	2004	Developmental Psychology		3 Credits
INP	2002	Introduction to Industrial Psychology		3 Credits
PPE	2001	Psychology - Introduction to Personality		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2012H	General Psychology Honors	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2000H	Honors Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2110H	Honors Introduction to Social Research		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYP	2512	Sociology of Deviance		3 Credits

History   3 Credits

AMH	2010	United States History to 1865		3 Credits
AMH	2010H	Honors United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
AMH	2020H	Honors United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
AMH	2035	The United States 1945 to Present		3 Credits

AMH	2070	History of Florida		3 Credits
AMH	2090	United States Women's History		3 Credits
AMH	2090H	Honors United States Women's History		3 Credits
AMH	2091	African American History		3 Credits
EUH	2000	Western Civilization to 1600		3 Credits
EUH	2000H	Honors Western Civilization to 1600		3 Credits
EUH	2001	Western Civilization 1600 to Present		3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present		3 Credits
HPS	2100H	Honors History Meets Science		3 Credits
LAH	2020	Latin American History		3 Credits
WOH	1022	World History Since 1500		3 Credits
WOH	2232	Survey of Early Christianity		3 Credits

Mathematics - Must take one Core Course

6 Credits

MAC 1105 is recommended for students in this degree.

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/ Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Natural Science - Must take one Core Course

6 Credits

Courses must be taken from two different areas

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits

GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits
MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Area C Physical Science

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits
PSC	2521	Sustainability: Concepts and Issues		3 Credits

Total Credits: 120

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Health Sciences
Bachelor of Science
Major Code: HS-BS CIP: 1105100005
Program Description

The Bachelor of Science in Health Sciences (BSHS) is an interdisciplinary completion program focused on career and academic advancement for current practitioners as well as to deliver a well-rounded generalist curriculum by providing the skills, competencies, and values needed to advance and professionally contribute to the evolving health care industry. The BSHS program will include six specialty tracks: Respiratory Therapy and Clinical Leadership, Health Coaching and Human Performance, Healthcare Management and Professional Services, Simulation in Healthcare Education, Clinical Science and Community Paramedic.

The curriculum includes a central core of health science courses that will allow students from different health care disciplines the opportunity to work and collaborate as an interdisciplinary team. Specialty elective courses will focus on content designed to further expand the student's expertise in their chosen area of study.

Clinical Science Specialization: The Clinical Science Specialization is designed for pre-professionals who intend to pursue a career in the healthcare provider role. Students interested in earning credit at Palmer Chiropractic will need to consult with their advisor to ensure they are enrolled in the appropriate courses.

Respiratory Therapy and Clinical Leadership Specialization: The Respiratory Therapy and Clinical Leadership Specialization allows graduates of an accredited Associate Degree program, eligible for the National Board of Respiratory Therapy credential, to complete their bachelor's degree. This degree program is designed to provide respiratory therapists with a deeper understanding of healthcare operations, economics, leadership, health information management, ethics and research methods.

Community Paramedic Specialization: The Community Paramedic Specialization introduces exciting career options for future and current Emergency Medical Services professionals. Community paramedics are responsible for evaluating and assessing high-risk patients in their homes-those that are most likely to be frequent

users of the emergency department-to help them manage their chronic disease, adhere to medication plans, enroll in insurance coverage or access social services. The goals of the community paramedic are to improve individual and community health, reduce unnecessary hospitalizations and emergency department visits and reduce healthcare costs. This specialization offers Florida certified paramedics the opportunity to further expand their expertise in advanced paramedic practice and enhance employment opportunities.

Health Coaching and Human Performance Specialization: The Health Coaching and Human Performance Specialization has been developed in response to the emerging demand for wellness professionals. Companies are seeing wellness as an investment toward decreasing healthcare costs. Prevention-based health coaching models are being implemented to help patients manage chronic diseases and prevent disease occurrence. Additionally, community-based wellness programs are increasing. Labor market trends also indicate a strong and growing need for wellness professionals in healthcare settings, fitness organizations and corporate settings.

Health coaches promote wellness through the development and implementation of strategies to improve the health of individuals and communities. Health coaches work in hospitals, nonprofit organizations, government, physician's offices, private businesses and colleges.

Healthcare Management and Professional Services Specialization: The Healthcare Management and Professional Services Specialization is an interdisciplinary program designed to provide career advancement opportunities for current health profession practitioners as well as individuals seeking future careers in healthcare.

Medical and health services managers, also called healthcare executives or healthcare administrators, plan, direct and coordinate medical and health services. They may manage an entire facility or specialize in managing a specific clinical area or department. They may also manage a medical practice group of physicians. Most medical and health services managers work in offices in

healthcare facilities including hospitals, nursing homes and group medical practices as well as with insurance providers in the area of health-related sales and services.

Simulation in Healthcare Education Specialization: The Simulation in Healthcare Education Specialization prepares students for careers in the growing field of education simulation. Medical simulation is a vital component of educational services offered to healthcare students, residents, nursing staff, ancillary healthcare professionals and practicing physicians throughout the world. Simulation-based medical education offers a consistent clinical learning experience without risk to patients. It also offers a psychologically safe and supportive learning environment for the student/trainee. Creating such learning environments requires a specialized skill set. Therefore, the need for improved and expanded educator skills is required to improve simulation-based learning. This need creates the demand for specialized courses/programs in simulation-based education within the framework of health professions.

In Florida alone, there are approximately 47 simulation centers in colleges, universities and hospitals. Each of these facilities requires trained content and technology experts to develop, execute and evaluate comprehensive simulation education programs.

Program Admission
Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

· Have a 2.0 or higher GPA in previous course work.
· Completion of an Associate degree from a regionally accredited institution.
· Students who have earned a minimum of 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.

* An Associate of Science (AS) or an Associate in

Applied Science (AAS) in a health-related field from a regionally accredited institution satisfies the Foundation requirements detailed in the Bachelor of Science (BS) Health Science degree program. Students with any other degree must complete the Foundation courses with a grade of "C" or higher.

Associate in Arts degree: Students entering with an AA degree from a regionally accredited institution will be required to complete the foundation courses listed for the degree. Some foundation courses may be waived if a student possesses a medical industry certificate. This certificate and official transcripts must be submitted to the Registrar's office and reviewed by the department for consideration to the program.

Associate in Science or Associate in Applied Science, Health-related area: Students entering with an AS or AAS in a health-related area from a regionally accredited institution will be required to complete any additional general education courses to meet the 36 credit hour requirement within the different categories.

Associate in Science or Associate in Applied Science, Non-Health related area: Students entering with an AS or AAS in a non-health related area from a regionally accredited institution will be required to complete any additional general education courses to meet the 36 credit hour requirement within the different categories. This student will also be required to complete the "Foundation" courses as listed in the program plan.

Please note: Students who are required to participate in clinical rotations (Community Paramedic) or internships may be required to pass a criminal background check and/or drug screen as per the organization's requirements.

Profession
With the health profession growing in exciting directions each year, a bachelor's degree in health sciences opens the door to limitless career options and tracks. Health science professionals work in a variety of sites, including hospitals, clinics, medical offices and health-related businesses. They also work in education centers, pharmacies, sports arenas, wellness centers or in a patient's home.

Career Opportunities

Driven by increased spending on healthcare services and legislative reforms, over the next decade, healthcare occupations are expected to add 2 million new jobs in the United States. This is the second-highest of any group. A bachelor's degree in health sciences prepares you for careers such as:

· Clinic Manager
· Community Paramedic
· Health Educator
· Health Insurance Professional
· Health and Wellness Coach
· Hospital Manager
· Medical and Health Services Manager
· Medical Sales
· Medical Simulation Specialist/Manager
· Personal Trainer
· Pharmaceutical Sales
· Pharmacy Manager
· Rehabilitation Clinic Manager
· Respiratory Therapy Leader
· Secondary and Postsecondary Health Educator

The degree also can prepare students for graduate study in numerous healthcare specialties that require a minimum of a master's or doctoral degree.

Required Courses   21 Credits

HSA	3191	Health Information Systems	3 Credits
HSC	3057	Research Strategies for Health Science	1 Credits
HSC	3661	Communications for Healthcare Professionals	2 Credits
HSC	4921	Capstone Preparation	Credits

Choose ECP 4530 or ECP 4530H:

ECP	4530	Health Care Economics	3 Credits
ECP	4530H	Honors Health Care Economics	3 Credits

Choose HSA 4553 or HSA 4553H:

HSA	4553	Legal and Ethical Aspects in Healthcare	3 Credits
HSA	4553H	Honors Legal and Ethical Issues in Healthcare	3 Credits

Choose HSC 4730 or HSC 4730H:

HSC	4730	Health Sciences Research	3 Credits
HSC	4730H	Honors Health Sciences Research	3 Credits

Choose HSC 4922 or HSC 4922H:

HSC	4922	Capstone Project in Health Sciences	3 Credits
HSC	4922H	Honors Capstone Project in Health Sciences	3 Credits

Choose 3 credits: MAN 3025, MAN 3320 or HSA 4184

Note: Students in the Healthcare Management and Professional Services Specialization should take either MAN 3025 or HSA 4184 as part of the core.

MAN	3025	Management of Organizations	3 Credits
MAN	3320	Management of Strategic Human Resources	3 Credits
HSA	4184	Leadership in Healthcare Organizations	3 Credits

Technical Specialization Tracks

Choose one of the following specializations:

Clinical Science Specialization

HSC	4231	Client Education in Healthcare	3 Credits

Choose one course from the following:
3 Credits

HSA	3113	Healthcare Trends and Issues	3 Credits
ZOO	4747C	Clinical Neuroanatomy and Neuroscience	4 Credits

ZOO 4747C is for Palmer Chiropractic students only.

**Technical Elective Courses
15 Credits** : Complete 15 credits. 2000 level or higher: BSC, CHM, MCB, PHY, 1000 level or higher MAC, PHY 1053C, PHY 1054C (BSC 1010 also accepted).

Any BSC2### course

BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2901	Directed Studies In Biology		1 Credits
BSC	2905	Directed Studies in Biology		3 Credits
BSC	2941	Internship in Biology		1 Credits
BSC	2942	Internship in Biology		2 Credits
BSC	2949	Internship in Biology		3 Credits
BSC	2950	Travel Study in Biology		3 Credits

Any CHM2### course

CHM	2045	General Chemistry I	Gen Ed Core	3 Credits
CHM	2046	General Chemistry II		3 Credits
CHM	2093	Chemistry for Teachers		3 Credits
CHM	2930	Selected Studies in Chemistry		3 Credits
CHM	2941	Internship in Chemistry		1 Credits
CHM	2942	Internship in Chemistry		2 Credits
CHM	2949	Internship in Chemistry		3 Credits

Any MCB2### course

MCB	2903	Directed Studies in Microbiology	3 Credits
MCB	2905	Directed Studies in Microbiology	4 Credits
MCB	2931	Selected Studies in Microbiology	1 Credits

Any PHY2### course

PHY	2941	Internship in Physics	1 Credits
PHY	2949	Internship in Physics	3 Credits

Any MAC#### course

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/Trigonometry		5 Credits

MAC	1931	Selected Studies in Mathematics		1 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MAC	2313	Analytic Geometry and Calculus III		4 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	1054C	General Physics II		4 Credits

Any Upper or Lower Division Electives
24 Credits

Exclusive of courses with a number beginning with zero or courses designated as non-transfer.

The following foundation courses are required for students who transfer into this baccalaureate program with an AA degree or an AS degree in a non-health related area.
18 Credits

Note: Students transferring into this baccalaureate program with a health-related AS degree will be considered to have met this foundation requirement.

HSC	1000	Introduction to Health Care	3 Credits
HSC	1531	Medical Terminology	3 Credits
HSC	2400	First Aid and CPR	3 Credits

Or any HSC, HSA, HIM, HUN, OST or GEB course

HUN	1201	The Principles of Nutrition	3 Credits

or higher level HUN course

HIM	1442	Pharmacology and Lab Medicine	3 Credits

HIM 1453 or BSC 1020 or EMS 2010

HIM	1453	Anatomy and Physiology	3 Credits
BSC	1020	Human Biology	3 Credits

EMS	2010	Essentials of Human Structure and Function	3 Credits

Community Paramedic Specialization

EMS	4112	Introduction to Community Paramedic	3 Credits
EMS	4111	Advanced Practiced Paramedicine	3 Credits
EMS	4113	Mobile Integrated Health Care	6 Credits

Community Paramedic Foundation Courses: Any EMS, BSC, HSA, HSC, RET courses

Note: Students transferring in whose EMS-AS coursework does not equal 51 credits may complete the remaining required credits with courses in the following disciplines: EMS, BSC, HSA, HSC, RET.

Health Coaching and Human Performance Specialization

HSC	4694	Individual, Group and Worksite Health Promotion Programs	3 Credits
HSC	3502	Major Diseases in the U.S. Population	3 Credits
PET	3551	Introduction to Exercise Science and Personal Training	3 Credits
PET	4093	Advanced Personal Training	3 Credits
HUN	4296	Nutrition for Health and Weight Management	3 Credits
HUN	3931	Special Topics in Health Coaching	3 Credits

Choose one course from the following:

HSC	4231	Client Education in Healthcare	3 Credits
HSC	4720	Behavior Modification in Health Coaching	3 Credits

Any Upper or Lower Division Electives

24 Credits

Exclusive of courses with a number beginning with zero or courses designated as non-transfer.

The following foundation courses are required for students who transfer into this baccalaureate program with an AA degree or an AS degree in a non-health related area.

Note: Students transferring into this baccalaureate program with a health-related AS degree will be considered to have met this foundation requirement.

HSC	1000	Introduction to Health Care	3 Credits
HSC	1531	Medical Terminology	3 Credits
HSC	2400	First Aid and CPR	3 Credits

Or any HSC, HSA, HIM, HUN, OST or GEB course

HUN	1201	The Principles of Nutrition	3 Credits

or higher level HUN course

HIM	1442	Pharmacology and Lab Medicine	3 Credits

HIM 1453 or BSC 1020 or EMS 2010

HIM	1453	Anatomy and Physiology	3 Credits
BSC	1020	Human Biology	3 Credits
EMS	2010	Essentials of Human Structure and Function	3 Credits

Healthcare Management and Professional Services Specialization

MAN	3320	Management of Strategic Human Resources	3 Credits
HSA	4170	Healthcare Financial Management	3 Credits
HSA	3113	Healthcare Trends and Issues	3 Credits
HSA	3383	Continuous Quality Monitoring and Accreditation	3 Credits
HSC	4231	Client Education in Healthcare	3 Credits
HSC	4404	Medical Disaster Management	3 Credits

Technical Elective Courses: Complete 3 credits. 2000 level or higher courses. Choose from the following: ACG, BSC, CHM, CGS, CIS, CNT, COP, ECP, EMS, FIN, GEB, HSA, HSC, HIM, HUN, ISM, LDR, MAN, MAR, MCB, PET, PHY, RET.

Any Upper or Lower Division Electives

24 Credits

Exclusive of courses with a number beginning with zero or courses

designated as non-transfer.

The following foundation courses are required for students who transfer into this baccalaureate program with an AA degree or an AS degree in a non-health related area.

>**Note: Students transferring into this baccalaureate program with a health-related AS degree will be considered to have met this foundation requirement.**

HSC	1000	Introduction to Health Care	3 Credits
HSC	1531	Medical Terminology	3 Credits
HSC	2400	First Aid and CPR	3 Credits

>*Or any HSC, HSA, HIM, HUN, OST or GEB course*

HUN	1201	The Principles of Nutrition	3 Credits

>*or higher level HUN course*

HIM	1442	Pharmacology and Lab Medicine	3 Credits

HIM 1453 or BSC 1020 or EMS 2010

HIM	1453	Anatomy and Physiology	3 Credits
BSC	1020	Human Biology	3 Credits
EMS	2010	Essentials of Human Structure and Function	3 Credits

Respiratory Therapy and Clinical Leadership Specialization

RET	3536	Cardiopulmonary Rehabilitation	3 Credits
HSC	4555	Pathophysiology	3 Credits

Choose three credits: HSC 4404 or HSA 3383

HSC	4404	Medical Disaster Management	3 Credits
HSA	3383	Continuous Quality Monitoring and Accreditation	3 Credits

Choose three credits: RET 4277 or RET 4718 or RET 4285

RET	4277	Adult Critical Care	3 Credits
RET	4718	Neonatal Pediatric Critical Care	3 Credits

RET	4285	Advanced Cardiopulmonary Medicine	3 Credits

Respiratory Foundation Courses: Any RET, BSC, EMS, HSA, HSC or HUN courses.

>**Note: Students transferring in whose RESPR-AS coursework does not equal 51 credits may complete the remaining required credits with courses in the following disciplines: RET, BSC, EMS, HSA, HSC or HUN.**

Simulation in Healthcare Education Specialization

HSC	4240	Trends and Theoretical Foundations in Healthcare Simulation	3 Credits
HSC	4032	Theory and Practice of Teaching Health Science	3 Credits
HSC	4245	Instructional Technologies in Healthcare Simulation	3 Credits
HSC	4244	Managing a Simulation Program or Center	3 Credits
HSC	4246C	Simulation Operations	3 Credits

Technical Elective Courses: Complete 6 credits. 2000 level or higher courses. Choose from the following: ACG, BSC, CGS, CHM, CIS, CNT, COP, ECP, EMS, FIN, GEB, HSA, HSC, HIM, HUN, ISM, LDR, MAN, MAR, MCB, PET, PHY, RET.

Any Upper or Lower Division Electives
24 Credits

>Exclusive of courses with a number beginning with zero or courses designated as non-transfer.

The following foundation courses are required for students who transfer into this baccalaureate program with an AA degree or an AS degree in a non-health related area.

>**Note: Students transferring into this baccalaureate program with a health-related AS degree will be considered to have met this foundation requirement.**

HSC	1000	Introduction to Health Care	3 Credits
HSC	1531	Medical Terminology	3 Credits
HSC	2400	First Aid and CPR	3 Credits

Or any HSC, HSA, HIM, HUN, OST or GEB course

HUN	1201	The Principles of Nutrition	3 Credits

or higher level HUN course

HIM	1442	Pharmacology and Lab Medicine	3 Credits

HIM 1453 or BSC 1020 or EMS 2010

HIM	1453	Anatomy and Physiology	3 Credits
BSC	1020	Human Biology	3 Credits
EMS	2010	Essentials of Human Structure and Function	3 Credits

General Education Courses   36 Credits

Communication - Must take one Core Course

9 Credits

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits
SPC	1608	Speech Communication		3 Credits

Humanities - Must take one Core Course

6 Credits

Three credits from Area A and three credits from Area B

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2022H	Honors Liberal Arts Humanities		3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits
HUM	2232	Renaissance/Baroque Humanities		3 Credits
HUM	2234	18th and 19th Century Humanities		3 Credits

HUM	2250	20th/21st Century Humanities		3 Credits
HUM	2250H	Honors 20th/21st Century Humanities		3 Credits
HUM	2322	Women, Gender and Culture		3 Credits
HUM	2322H	Honors Women, Gender and Culture		3 Credits
HUM	2410	Asian Humanities		3 Credits
HUM	2410H	Honors Asian Humanities		3 Credits
HUM	2454	African American Humanities		3 Credits
HUM	2454H	Honors African American Humanities		3 Credits
HUM	2461	Latin American Humanities		3 Credits
HUM	2461H	Honors Latin American Humanities		3 Credits
HUM	2821	LGBTQ Studies in the Humanities		3 Credits
PHI	1630	Contemporary Ethical Problems		3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
REL	2300	Religions of the World		3 Credits

Artistic and Literary Humanities Area B

AML	2010	American Literature I		3 Credits
AML	2020	American Literature II		3 Credits
AML	2600	Survey of African American Literature		3 Credits
ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
ARH	2050	Art History I		3 Credits
ARH	2051	Art History II		3 Credits
ENG	2100	The Art of Film		3 Credits
ENG	2103	World Cinema		3 Credits
ENL	2012	British Literature I		3 Credits

ENL	2022	British Literature II		3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
LIT	2090	Contemporary Literature		3 Credits
LIT	2090H	Honors Contemporary Literature		3 Credits
LIT	2120	World Literature II		3 Credits
LIT	2120H	Honors World Literature II		3 Credits
MUH	2022	History of Rock Music		3 Credits
MUH	2026	Introduction to Blues and Jazz		3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
MUL	2014	Introduction to Music History and Literature		3 Credits
THE	1304	Script Analysis		3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits
THE	2239	The Development of African American Theatre		3 Credits

Social Science and History - Must take one Core Course

9 Credits

Courses must be taken from three areas. Three credits must be taken from History

Social Science General Education Core course

6 Credits

Area A Anthropology

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits

Area B Economics

ECO	1000	Basic Economics		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits

ECO	2013H	Honors Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Area C Geography

GEA	1000	World Regional Geography		3 Credits
GEO	1200	Introduction to Physical Geography		3 Credits

Area D Political Science

CPO	1421	Politics, Society, and Islam		3 Credits
INR	2002	International Relations		3 Credits
INR	2002H	Honors International Relations		3 Credits
PAX	2000	Introduction to Peace Studies		3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
POT	2002	Political Theory		3 Credits
POT	2002H	Honors - Political Theory		3 Credits
POT	2301	Political Ideology - Introduction		3 Credits
PUP	2230	Energy and Environmental Policy		3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior		3 Credits
CLP	2140	Abnormal Psychology		3 Credits
DEP	2004	Developmental Psychology		3 Credits

INP	2002	Introduction to Industrial Psychology		3 Credits
PPE	2001	Psychology - Introduction to Personality		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2012H	General Psychology Honors	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2000H	Honors Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2110H	Honors Introduction to Social Research		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYP	2512	Sociology of Deviance		3 Credits

History   3 Credits

AMH	2010	United States History to 1865		3 Credits
AMH	2010H	Honors United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
AMH	2020H	Honors United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
AMH	2035	The United States 1945 to Present		3 Credits
AMH	2070	History of Florida		3 Credits
AMH	2090	United States Women's History		3 Credits

AMH	2090H	Honors United States Women's History		3 Credits
AMH	2091	African American History		3 Credits
EUH	2000	Western Civilization to 1600		3 Credits
EUH	2000H	Honors Western Civilization to 1600		3 Credits
EUH	2001	Western Civilization 1600 to Present		3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present		3 Credits
HPS	2100H	Honors History Meets Science		3 Credits
LAH	2020	Latin American History		3 Credits
WOH	1022	World History Since 1500		3 Credits
WOH	2232	Survey of Early Christianity		3 Credits

Mathematics - Must take one Core Course
6 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/ Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Natural Science - Must take one Core Course

6 Credits

Courses must be taken from two different areas

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits

GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits
MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Area C Physical Science

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits
PSC	2521	Sustainability: Concepts and Issues		3 Credits

Total Credits: 120

Nursing
Bachelor of Science
Major Code: NUR–BS CIP: 1105138012
Program Description
The Bachelor of Science in Nursing (BSN) program is designed for nurses who have completed an Associate Degree in Nursing or a Diploma in

Nursing from an accredited school and are eligible to take the National Council Licensure Examination (NCLEX) or hold an active RN license. The program affords nurses a strong foundation for advancing their career or continuing on to graduate studies. The program focuses on nursing practice, leadership, research and contemporary issues in healthcare and concludes with a capstone course that incorporates the knowledge learned throughout the program.

This nursing education program is fully accredited by the Accreditation Commission for Education in Nursing.

Accreditation Commission for Education in Nursing (ACEN)
3390 Peachtree Road NE, Suite 1400
Atlanta, GA 30326
www.acenursing.org

Profession
Nursing ranks as the nation's largest health career field. Registered nurses (RNs) practice in a variety of settings while providing compassionate care to patients who are ill, injured, convalescent or disabled. Nurses are dedicated to the health and well-being of patients of all ages, health and abilities, and often serve as advocates in the care of individuals and communities.

Career Opportunities
Nurses with BSN degrees are qualified to work in any state and, due to their high demand, often choose their positions, hours and employers. Salaries and employment opportunities continue to expand as the health care industry grows, particularly in Central Florida. Additionally, positions outside of the traditional hospital environment offer nurses versatility and flexibility.

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by 26 percent (faster than average) through 2020 due to the demands caused by technological advancements, an increased emphasis on preventative care and the large aging population

(Source: Bureau of Labor Statistics).

Degree Transfer
Graduates of the BSN program may articulate into a Master of Science in Nursing (MSN) program.

Certifications
- Registered Nurse (RN), Florida Department of Health
- Registered Nurse (RN), National Council of State Boards of Nursing

Program Admission
Students may begin the BSN program three times each year in August (Term I), in January (Term II), or in May (Term III). Interested persons must first be admitted to Seminole State before registering for BSN coursework. The dates for application may vary.

The nursing program has specific requirements for admission. Candidates must:
- Graduate from a regionally accredited Associate in Science Degree Nursing or Diploma in Nursing program and be eligible to sit for the National Council Licensing Examination (NCLEX RN), or hold an active RN license; graduates from non-regionally accredited programs may apply for review, and if accepted, they can apply to be granted credits equal SSC's ADN program.
- Apply and be accepted to Seminole State College;
- GPA of 2.5 or higher;
- Attain a grade of "C" or higher in all General Education course requirements;

All nursing courses are taught in a distance format. Students must have access to a computer with Internet capabilities while enrolled in the program.

Required Courses   24 Credits

Students must complete all Required Courses with a grade of "C" or higher.

NUR	3825	Professional Role Transition	3 Credits
NUR	3125	Pathophysiology	3 Credits
NUR	3161	Scholarly Resources for Nursing	1 Credits

NUR	3169	Evidence & Research in Nursing Practice	3 Credits
NUR	3667	Diversity & Global Trends in Nursing	3 Credits
NUR	3634C	Community and Public Health Nursing	3 Credits
NUR	4829	Leadership and Management in Nursing	3 Credits
NUR	4837	Healthcare Policy and Economics in Nursing	3 Credits
NUR	4944	Capstone Preparation	Credits
NUR	4945C	Nursing Capstone	2 Credits

Elective Courses   6 Credits

Students must complete all Elective Courses with a grade of "C" or higher.

HSC	4404	Medical Disaster Management	3 Credits
NUR	3145	Pharmacology	3 Credits
NUR	3177	Holistic Nursing	3 Credits
NUR	3678	Nursing Care of Vulnerable Populations	3 Credits
NUR	3870	Informatics in Healthcare	3 Credits
NUR	3930	Selected Studies in Nursing	3 Credits
NUR	3931	Selected Studies in Nursing	1 Credits
NUR	4257	Critical Care Nursing	3 Credits
NUR	4286	Gerontological Nursing	3 Credits
NUR	4296	Emergency Preparedness and Crisis Management	3 Credits
NUR	4931	Selected Studies in Nursing	3 Credits
NUR	4953	Intercultural Healthcare	3 Credits

Any 3000 or 4000 level NUR course not already required in the program

Foundation Courses   54 Credits

ADN/Diploma Credits

General Education Courses   36 Credits

Students must complete all General Education Courses with a grade of "C" or higher.

Communication - Must take one Core Course

9 Credits

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits
SPC	1608	Speech Communication		3 Credits

Mathematics - Must take one Core Course

6 Credits

Note: STA 2023 is a required Mathematics General Education course.

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Social Science and History - Must take one Core Course

9 Credits

Courses must be taken from three areas. Three credits must be taken from History

Social Science General Education course

6 Credits

Area A Anthropology

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits

Area B Economics

ECO	1000	Basic Economics		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2013H	Honors Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Area C Geography

GEA	1000	World Regional Geography	3 Credits
GEO	1200	Introduction to Physical Geography	3 Credits

Area D Political Science

CPO	1421	Politics, Society, and Islam		3 Credits
INR	2002	International Relations		3 Credits
INR	2002H	Honors International Relations		3 Credits
PAX	2000	Introduction to Peace Studies		3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
POT	2002	Political Theory		3 Credits
POT	2002H	Honors - Political Theory		3 Credits
POT	2301	Political Ideology - Introduction		3 Credits

PUP	2230	Energy and Environmental Policy		3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior		3 Credits
CLP	2140	Abnormal Psychology		3 Credits
DEP	2004	Developmental Psychology		3 Credits
INP	2002	Introduction to Industrial Psychology		3 Credits
PPE	2001	Psychology - Introduction to Personality		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2012H	General Psychology Honors	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2000H	Honors Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2110H	Honors Introduction to Social Research		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYP	2512	Sociology of Deviance		3 Credits

History   3 Credits

AMH	2010	United States History to 1865		3 Credits
AMH	2010H	Honors United States History to 1865		3 Credits
AMH	2020	United States	Gen Ed Core	3 Credits

		History 1865 to Present	Civic Lit	
AMH	2020H	Honors United States History 1865 to Present	Gen Ed Core Civic Lit	3 Credits
AMH	2035	The United States 1945 to Present		3 Credits
AMH	2070	History of Florida		3 Credits
AMH	2090	United States Women's History		3 Credits
AMH	2090H	Honors United States Women's History		3 Credits
AMH	2091	African American History		3 Credits
EUH	2000	Western Civilization to 1600		3 Credits
EUH	2000H	Honors Western Civilization to 1600		3 Credits
EUH	2001	Western Civilization 1600 to Present		3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present		3 Credits
HPS	2100H	Honors History Meets Science		3 Credits
LAH	2020	Latin American History		3 Credits
WOH	1022	World History Since 1500		3 Credits
WOH	2232	Survey of Early Christianity		3 Credits

Natural Science - Must take one Core Course

6 Credits

Courses must be taken from two different areas

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits

BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits
MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Area C Physical Science

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits

CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits
PSC	2521	Sustainability: Concepts and Issues		3 Credits

Humanities – Must take one Core Course

6 Credits

Three credits from Area A and three credits from Area B

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits
HUM	2232	Renaissance/Baroque Humanities		3 Credits
HUM	2234	18th and 19th Century Humanities		3 Credits
HUM	2250	20th/21st Century Humanities		3 Credits
HUM	2250H	Honors 20th/21st Century Humanities		3 Credits
HUM	2322	Women, Gender and Culture		3 Credits

HUM	2322H	Honors Women, Gender and Culture		3 Credits
HUM	2410	Asian Humanities		3 Credits
HUM	2410H	Honors Asian Humanities		3 Credits
HUM	2454	African American Humanities		3 Credits
HUM	2454H	Honors African American Humanities		3 Credits
HUM	2461	Latin American Humanities		3 Credits
HUM	2461H	Honors Latin American Humanities		3 Credits
HUM	2821	LGBTQ Studies in the Humanities		3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
PHI	1630	Contemporary Ethical Problems		3 Credits
REL	2300	Religions of the World		3 Credits

Artistic and Literary Humanities Area B

AML	2010	American Literature I		3 Credits
AML	2020	American Literature II		3 Credits
AML	2600	Survey of African American Literature		3 Credits
ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
ARH	2050	Art History I		3 Credits
ARH	2051	Art History II		3 Credits
ENG	2100	The Art of Film		3 Credits
ENG	2103	World Cinema		3 Credits
ENL	2012	British Literature I		3 Credits
ENL	2022	British Literature II		3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
LIT	2090	Contemporary Literature		3 Credits
LIT	2090H	Honors Contemporary		3 Credits

		Literature		
LIT	2120	World Literature II		3 Credits
LIT	2120H	Honors World Literature II		3 Credits
MUH	2022	History of Rock Music		3 Credits
MUH	2026	Introduction to Blues and Jazz		3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
MUL	2014	Introduction to Music History and Literature		3 Credits
THE	1304	Script Analysis		3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits
THE	2239	The Development of African American Theatre		3 Credits

Total Credits: 120

Public Safety Administration
Bachelor of Science
Major Code: PSA-BS CIP: 1104399991
Program Description
The Bachelor of Science in Public Safety Administration (BSPSA) is a workforce-driven interdisciplinary degree program designed to prepare students for administrative and management level opportunities in the public safety sectors of law enforcement, corrections, emergency medical services and fire science. This program will develop students' interpersonal skills and abilities to thrive in an in-demand, high skill, workforce-- based career. Concentrations will be offered in the areas of Criminal Justice, Fire Science and Emergency Medical Services. The core curriculum will focus on discipline-specific workforce skills related to public safety policy and law, disaster preparedness, critical infrastructure protection, emergency planning and the fundamentals of public safety management. Coursework will include real-world scenarios to simulate experiences that will occur in the field to heighten students' critical thinking and intercommunication skills to work effectively in partnership with all areas of public

safety. In addition, students will cover topics related to budget, leadership and professional ethics, analytical thinking, regulations/laws and team building. The core coursework will conclude with a capstone experience in public safety administration. Graduates of this program will be prepared for employment opportunities in local, state, and federal governments, colleges and universities and in the private sector.

Criminal Justice Specialization: This specialization explores the purpose and processes of the criminal justice system as well as the local, state and federal agencies students will be working in and with as criminal justice professionals. Students will receive a broad knowledge of three primary areas of the criminal justice system: law enforcement, court system and corrections. Graduates of this program will be prepared for careers in the criminal justice system, such as law enforcement, corrections, probation, private security and other criminal justice fields. This degree is also beneficial to current criminal justice professionals who may be seeking incentive benefits or career advancement.

Emergency Medical Services Specialization: This specialization is tailored for students interested in a career in EMS leadership and management. As the field of EMS continues to grow and change, leaders and educators with a background in emergency medicine are needed to help shape the future of EMS. The curriculum is modeled on the federal Fire and Emergency Services Higher Education (FESHE) recommended course learning outcomes. Earning a bachelor's degree with a specialization in EMS is also beneficial to current EMS professionals who may be seeking incentive benefits or career advancement.

Fire Science Specialization: This specialization is customized for students interested in higher learning in the organization and administration processes required in fire protection services. The degree path builds on fire science education to support career advancement and the development of leadership, analytical and management skills. The curriculum is modeled on the federal Fire and Emergency Services Higher Education (FESHE) recommended course learning outcomes. Earning a

bachelor's degree with a specialization in Fire Science is also beneficial to current fire service professionals who may be seeking incentive benefits or career advancement.

Program Admission

Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an associate's degree, bachelor's degree (or higher) from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the department review committee.
- A GPA of 2.0 or higher

Program Progression Requirements:

An Associate in Science (A.S.) degree in one of the following from Seminole State College: Fire Science, Criminal Justice or Emergency Medical Services satisfies the Public Safety foundation course prerequisite requirements for the track it aligns to in the bachelor's degree program. Students with A.A. degrees will also be eligible for admission but, will be required to complete foundation courses that align with their chosen specialization track. Students with A.S. degrees from other institutions or in other fields of study will need their transcripts reviewed to determine placement. Students that have an A.S. in Fire Science, Criminal Justice or Emergency Medical Services that choose to pursue a different specialization track than what their A.S. degree is in will need to have their transcripts reviewed and prior coursework evaluated by Admissions and/or the Program Manager.

Contact Admissions at 407.708.4550 if you have additional questions about applying to the program.

Required Courses   18 Credits

DSC	3600	Research Methods in Public Safety	3 Credits
DSC	3079	Foundations of Public Safety Management	3 Credits

DSC	4215	Emergency Planning and Security Measures	3 Credits
DSC	4008	Public Safety Policy and the Law	3 Credits
DSC	4554	Critical Infrastructure Protection	3 Credits
DSC	4940	Capstone Experience in Public Safety Administration	3 Credits

Choose one of the following Specializations:

66 Credits

Criminal Justice Specialization

Criminal Justice Specialization courses
21 Credits

CCJ	3012	Criminological Theory	3 Credits
CCJ	3024	The Criminal Justice System	3 Credits
CJL	3510	Courts and the Criminal Justice System	3 Credits
CJC	4014	Correctional Theory	3 Credits
CJE	4310	Police Administration	3 Credits
CCJ	4450	Criminal Justice Adminstration	3 Credits
CCJ	4466	Critical Issues for the CJ Professional	3 Credits

Foundation courses
21 Credits

An Associate in Science in Criminal Justice Technology from a regionally accredited institution satisfies the Foundation course requirements. Students entering with any other degree must complete the Foundation courses below:

CCJ	1010	Introduction to Criminology	3 Credits
CCJ	1020	Introduction to Criminal Justice	3 Credits
CJE	1000	Introduction to Law Enforcement	3 Credits
CJL	1130	Criminal Procedure	3 Credits
CJC	2000	Introduction to Corrections	3 Credits

CJL	2100	Criminal Law	3 Credits
CJE	2600	Criminal Investigation	3 Credits

Upper/Lower Division Electives: 24 credits of CCJ, CJC, CJE or CJL prefix courses.

24 Credits

Emergency Medical Services Specialization

Emergency Medical Services Specialization courses
21 Credits

FES	3233	EMS Risk Management and Safety	3 Credits
FES	3284	Management of EMS	3 Credits
FES	4274	Quality Management in EMS	3 Credits
FES	4244	Legal, Political and Regulatory Environment of EMS	3 Credits
FES	3223	Foundations of EMS Systems	3 Credits
FES	4234	Community Risk Reduction for Fire and EMS	3 Credits
FES	3263	Public Safety Educator	3 Credits

Foundation courses
45 Credits

There are two options to satisfy the Foundation area:

- An Associate in Science in Emergency Medical Services from a regionally accredited institution satisfies the Foundation course requirements.
- Students who hold a current Paramedic certification or license in Florida or another state will need to meet with the Program Manager to discuss articulation options.

Fire Science Specialization

Fire Science Specialization courses
21 Credits

FES	3004	Political and Legal Foundations of Fire Protection	3 Credits
FES	3782	Applications of Fire Research	3 Credits
FES	4723	Fire Prevention Organization and Management	3 Credits
FES	4003	Fire and Emergency Services Administration	3 Credits
FES	4046	Personnel Management for Fire and EMS	3 Credits
FES	4234	Community Risk Reduction for Fire and EMS	3 Credits
FES	3023	Fire Service Ethics	3 Credits

Foundation courses
18 Credits

An Associate in Science in Fire Science Technology from a regionally accredited institution satisfies the Foundation course requirements. Students entering with any other degree must complete the Foundation courses below:

FFP	1612	Fire Behavior and Combustion	3 Credits
FFP	2120	Building Construction for the Fire Service	3 Credits
FFP	1540	Private Fire Protection Systems I	3 Credits
FFP	1505	Fire Prevention Practices	3 Credits
FFP	2109	Occupational Safety and Health for the Fire Service	3 Credits
FFP	1702	Principles of Emergency Services	3 Credits

Upper/Lower Division Electives: 27 credits of FFP prefix courses (1000 level or higher).

27 Credits

General Education Courses   36 Credits

Communication - Must take one Core Course

9 Credits

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits
SPC	1608	Speech Communication		3 Credits

Humanities - Must take one Core Course

6 Credits

Three credits from Area A and three credits from Area B

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2022H	Honors Liberal Arts Humanities		3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits
HUM	2232	Renaissance/Baroque Humanities		3 Credits
HUM	2234	18th and 19th Century Humanities		3 Credits
HUM	2250	20th/21st Century Humanities		3 Credits
HUM	2250H	Honors 20th/21st Century Humanities		3 Credits
HUM	2322	Women, Gender and Culture		3 Credits
HUM	2322H	Honors Women, Gender and Culture		3 Credits
HUM	2410	Asian Humanities		3 Credits
HUM	2410H	Honors Asian Humanities		3 Credits
HUM	2454	African American Humanities		3 Credits
HUM	2454H	Honors African American Humanities		3 Credits
HUM	2461	Latin American Humanities		3 Credits
HUM	2461H	Honors Latin American Humanities		3 Credits

HUM	2821	LGBTQ Studies in the Humanities		3 Credits
PHI	1630	Contemporary Ethical Problems		3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
REL	2300	Religions of the World		3 Credits

Artistic and Literary Humanities Area B

AML	2010	American Literature I		3 Credits
AML	2020	American Literature II		3 Credits
AML	2600	Survey of African American Literature		3 Credits
ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
ARH	2050	Art History I		3 Credits
ARH	2051	Art History II		3 Credits
ENG	2100	The Art of Film		3 Credits
ENG	2103	World Cinema		3 Credits
ENL	2012	British Literature I		3 Credits
ENL	2022	British Literature II		3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
LIT	2090	Contemporary Literature		3 Credits
LIT	2090H	Honors Contemporary Literature		3 Credits
LIT	2120	World Literature II		3 Credits
LIT	2120H	Honors World Literature II		3 Credits
MUH	2022	History of Rock Music		3 Credits
MUH	2026	Introduction to Blues and Jazz		3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
MUL	2014	Introduction to Music History		3 Credits

		and Literature		
THE	1304	Script Analysis		3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits
THE	2239	The Development of African American Theatre		3 Credits

Social Science and History - Must take one Core Course

9 Credits

Courses must be taken from three areas. Three credits must be taken from History

Social Science General Education courses

6 Credits

Area A Anthropology

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits

Area B Economics

ECO	1000	Basic Economics		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2013H	Honors Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Area C Geography

GEA	1000	World Regional Geography	3 Credits
GEO	1200	Introduction to Physical Geography	3 Credits

Area D Political Science

CPO	1421	Politics, Society, and Islam	3 Credits

INR	2002	International Relations	3 Credits
INR	2002H	Honors International Relations	3 Credits
PAX	2000	Introduction to Peace Studies	3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
POT	2002	Political Theory		3 Credits
POT	2002H	Honors - Political Theory		3 Credits
POT	2301	Political Ideology - Introduction		3 Credits
PUP	2230	Energy and Environmental Policy		3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior		3 Credits
CLP	2140	Abnormal Psychology		3 Credits
DEP	2004	Developmental Psychology		3 Credits
INP	2002	Introduction to Industrial Psychology		3 Credits
PPE	2001	Psychology - Introduction to Personality		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2012H	General Psychology Honors	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2000H	Honors Introduction to Sociology	Gen Ed Core	3 Credits

SYG	2010	Social Problems		3 Credits
SYG	2110H	Honors Introduction to Social Research		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYP	2512	Sociology of Deviance		3 Credits

History   3 Credits

AMH	2010	United States History to 1865		3 Credits
AMH	2010H	Honors United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core, Civic Lit	3 Credits
AMH	2020H	Honors United States History 1865 to Present	Gen Ed Core, Civic Lit	3 Credits
AMH	2035	The United States 1945 to Present		3 Credits
AMH	2070	History of Florida		3 Credits
AMH	2090	United States Women's History		3 Credits
AMH	2090H	Honors United States Women's History		3 Credits
AMH	2091	African American History		3 Credits
EUH	2000	Western Civilization to 1600		3 Credits
EUH	2000H	Honors Western Civilization to 1600		3 Credits
EUH	2001	Western Civilization 1600 to Present		3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present		3 Credits
HPS	2100H	Honors History Meets Science		3 Credits
LAH	2020	Latin American History		3 Credits
WOH	1022	World History Since 1500		3 Credits
WOH	2232	Survey of Early Christianity		3 Credits

Natural Science - Must take one Core Course

6 Credits

Courses must be taken from two different areas

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
GLY	1000	Introduction to Geology		3 Credits

GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits
MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Area C Physical Science

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits
PSC	2521	Sustainability: Concepts and Issues		3 Credits

Mathematics - Must take one Core Course

6 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits

MAC	1147	Precalculus Algebra/ Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Total Credits: 120

Criminal Justice
Certificate of Professional Preparation
Major Code: CJ-BC CIP: 5554301990
Program Description
This certificate explores the purpose and processes of the criminal justice system as well as the local, state and federal agencies students will be working in and with as criminal justice professionals. Students will receive broad knowledge of three primary areas of the criminal justice system: law enforcement, court systems and corrections. Graduates of the program will be prepared for careers in the criminal justice system, such as law enforcement, corrections, probation, private security and other criminal justice fields. This certificate is also beneficial to current criminal justice professionals who may be seeking incentive benefits or career advancement.

Required Courses   21 Credits

CCJ	3012	Criminological Theory	3 Credits
CCJ	3024	The Criminal Justice System	3 Credits
CJL	3510	Courts and the Criminal Justice System	3 Credits
CJC	4014	Correctional Theory	3 Credits

CJE	4310	Police Administration	3 Credits
CCJ	4450	Criminal Justice Adminstration	3 Credits
CCJ	4466	Critical Issues for the CJ Professional	3 Credits

Total Credits: 21

Emergency Medical Services
Certificate of Professional Preparation
Major Code: EMS–BC CIP: 5556004120
Program Description
This certificate is tailored for students interested in a career in EMS leadership and management. As the field of EMS continues to grow and change, leaders and educators with a background in emergency medicine are needed to help shape the future of EMS. The curriculum is modeled on the federal Fire and Emergency Services Higher Education (FESHE) recommended course learning outcomes. Earning an Emergency Medical Services Certificate is also beneficial to current EMS professionals who may be seeking incentive benefits or career advancement.

Required Courses 21 Credits

FES	3233	EMS Risk Management and Safety	3 Credits
FES	3284	Management of EMS	3 Credits
FES	4274	Quality Management in EMS	3 Credits
FES	4244	Legal, Political and Regulatory Environment of EMS	3 Credits
FES	3223	Foundations of EMS Systems	3 Credits
FES	4234	Community Risk Reduction for Fire and EMS	3 Credits
FES	3263	Public Safety Educator	3 Credits

Total Credits: 21

Fire Science
Certificate of Professional Preparation
Major Code: FIRE–BC CIP: 5554302030
Program Description
This certificate is customized for students interested in higher learning in the organization and administration processes required in fire protection services. This certificate is designed to support career advancement and the development of leadership, analytical and management skills in the fire service. The curriculum is modeled on the federal Fire and Emergency Services Higher Education (FESHE) recommended course learning outcomes. Earning a Fire Science Certificate is also beneficial to current fire service professionals who may be seeking incentive benefits or career advancement.

Required Courses 21 Credits

FES	3004	Political and Legal Foundations of Fire Protection	3 Credits
FES	3782	Applications of Fire Research	3 Credits
FES	4723	Fire Prevention Organization and Management	3 Credits
FES	4003	Fire and Emergency Services Administration	3 Credits
FES	4046	Personnel Management for Fire and EMS	3 Credits
FES	4234	Community Risk Reduction for Fire and EMS	3 Credits
FES	3023	Fire Service Ethics	3 Credits

Total Credits: 21

Health Coaching and Human Performance
Certificate of Professional Preparation
Major Code: HCHP–BC CIP: 5553401030
Program Description
The Health Coaching and Human Performance Certificate Program prepares bachelor-degree holding students for careers in the growing field of wellness professionals. Companies are seeing wellness as an investment toward decreasing health care costs. Prevention-based health coaching models are being implemented to help patients manage chronic diseases and prevent disease occurrence. Health coaches promote wellness through the development and implementation of strategies to improve the health of individuals and communities. Health coaches work in hospitals, non-profit organizations, government, physical's offices, private businesses, fitness organizations

and colleges.

Program Admission
Prerequisite: Baccalaureate degree from a regionally-accredited institution.

Career Opportunities

Profession

Health coaches promote wellness through the development and implementation of strategies to improve the health of individuals and communities. Health coaches work in hospitals, nonprofit organizations, government, physician's offices, private businesses and colleges. As more employers, health insurance companies and communities focus on disease prevention to reduce healthcare costs, there will be an increased need for trained health coaches to meet the need.

Career Opportunities

This program will prepare the certificate holder for health coaching and wellness positions at wellness centers, employee health clinics, hospitals, home care organizations and physician offices.

- Health Coach
- Health Educator
- Wellness Coordinator
- Personal Trainer
- Community Health Worker
- Nutrition Specialist

Job Outlook

Employment of health coaches and educators is projected to grow 21% from 2012 to 2022, faster than the average for all occupations. Growth will be driven by efforts to improve health outcomes and to reduce healthcare costs by teaching people about healthy habits and behaviors and utilization of available health care services. National Employer Data indicates the average health coach salary range is between $38,879 and $60,565.

Required Courses   24 Credits

HSC	4694	Individual, Group and Worksite Health Promotion Programs	3 Credits
HSC	3502	Major Diseases in the U.S. Population	3 Credits

PET	3551	Introduction to Exercise Science and Personal Training	3 Credits
PET	4093	Advanced Personal Training	3 Credits
HUN	4296	Nutrition for Health and Weight Management	3 Credits
HUN	3931	Special Topics in Health Coaching	3 Credits

Choose one course from the list below:

HSA	4231	Client Education in Healthcare	3 Credits
HSC	4720	Behavior Modification in Health Coaching	3 Credits

Choose one course from the list below:

HUN	1201	The Principles of Nutrition	3 Credits
HUN	2202	Human Nutrition and Diet Therapy	3 Credits

Total Credits: 24

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Simulation in Healthcare Education Certificate of Professional Preparation
Major Code: SIMHCE-BC CIP: 5551101020
Program Description
The Simulation in Healthcare Education Certificate Program prepares bachelor-degree holding students for careers in the growing field of education simulation. Patient simulation educators use standardized patients, mannequin-based simulations in healthcare education and computer-based simulations to teach and assess clinical professional skills at medical and nursing schools, hospitals and governmental agencies. Completion of this program will create opportunities for graduates to work in hospitals, government and military agencies, universities and colleges, and rehabilitation agencies.

Program Admission
Admission Criteria: Baccalaureate degree from a regionally accredited institution.

Career Opportunities

Profession

Today, medical simulation is a vital component of educational services offered to healthcare students,

residents, nursing staff, ancillary health care professionals and practicing physicians throughout the world. Simulation-based medical education offers a consistent clinical learning experience without risk to patients. It also offers a psychologically safe and supportive learning environment for the student/trainee. Creating such learning environments requires a specialized skill set. Therefore, the demand for improved and expanded educator skills is needed to improve simulation-based learning. This need creates a demand for specialized courses and programs in simulation-based education based in the framework of health professions.

There are approximately 47 simulation centers in colleges, universities and hospitals around the state of Florida. Each of these facilities requires trained content and technology experts to develop, execute and evaluate comprehensive simulation education programs. This certificate will provide current practitioners an opportunity to expand their knowledge to support their organization's simulation-based medical education program.

Career Opportunities

This program will prepare the certificate holder for simulation management positions at hospitals, government and military agencies, universities and colleges, and rehabilitation agencies.

- Simulation Operations Manager
- Learning Resource Director
- Simulation Lab Specialist
- Patient Simulation Technician
- Simulation Technology Specialist

Job Outlook

Educational institutions and hospitals have increased the number of simulation labs dramatically. This occupation is included within the Medical and Health Services Manager occupation title with a projected 17% increase from 2014-24. Medical simulation specialist salaries range from $55,000 to $72,000 per year. *Source: Salary List*

Required Courses   15 Credits

| HSC | 4032 | Theory and Practice of Teaching Health Science | 3 Credits |

HSC	4240	Trends and Theoretical Foundations in Healthcare Simulation	3 Credits
HSC	4245	Instructional Technologies in Healthcare Simulation	3 Credits
HSC	4244	Managing a Simulation Program or Center	3 Credits
HSC	4246C	Simulation Operations	3 Credits

Total Credits: 15

Social Media and E-Marketing Analytics Certificate of Professional Preparation
Major Code: SOCEMAR-BC CIP: 5550907020
Program Description
This certificate program is intended for individuals who desire to pursue careers in social media and e-marketing analytics-related industries and has been designed to enhance one's knowledge and skills essential in these same areas.

Program Admission
Prerequisite: A conferred Bachelor's degree, from a regionally accredited institution, with a cumulative undergraduate GPA of 2.0 is required to qualify for admission consideration.

Career Opportunities
Profession

Social media and e-marketing professionals have a wide range of job titles and duties. Some employees in this profession may collect and analyze data, help businesses select the proper social media channels for their goals and tailor campaigns to a target audience, or track the performance of social media initiatives and suggest/implement changes to improve results. Others may oversee a company's social media platforms, post interesting content that represents an organization's brand and builds the brand's reputation, or engage the public or clients online while representing the brand. As social technology evolves and advances, social media and e-marketing professionals will be needed to help businesses not only keep up but also stay on the cutting edge.

Career Opportunities

- Social Media Analyst
- E-Marketing Analyst
- Social Media Assessor
- Social Media Insights Analyst
- Social Media Manager
- Social Media Specialist
- Social Media & Content Strategist

Job Outlook

The U.S. Bureau of Labor Statistics (BLS) groups social media occupations with other public relations occupations, and job titles vary. According to the BLS, employment of public relations specialists is projected to grow 6 percent from 2018 to 2028, about as fast as the average for all occupations. Meanwhile, the BLS says that employment of market research analysts is projected to grow 20 percent from 2018 to 2028, much faster than the average for all occupations. Employment growth will be driven by an increased use of data and market research across many industries. Nationally, careers in social media and e-marketing analytics offer competitive salaries.

Required Courses   18 Credits

Students must complete all Required Courses with a grade of "C" or higher.

MAR	3721	Digital Media Marketing	3 Credits
MAR	4233	Social Media Marketing	3 Credits
MAR	4503	Consumer Behavior	3 Credits
MAR	4674	Marketing Analytics	3 Credits
MAR	4860	Customer Relationship Management	3 Credits

Choose MAR 3023 or MAR 3023H:

MAR	3023	Principles of Marketing	3 Credits
MAR	3023H	Honors Principles of Marketing	3 Credits

Total Credits: 18

Accounting Technology
Associate in Science

Major Code: ACCT-AS CIP: 1552030201
Program Description
Seminole State College's Accounting Technology Program arms you with the skills you need to land a high-paying job in accounting or finance. Graduates of the Associate in Science (A.S.) degree and certificate programs enjoy over a 90 percent placement rate*.

Benefits:
- Flexible scheduling (day, evening and online)
- Experienced faculty with expertise in modern accounting practices
- Job-placement assistance and internships through the Career Development Center
- Faculty-led networking trips that connect students and employers
- Curriculum developed under the guidance of Central Florida employees who know the skills graduates need for success
- Scholarships and financial aid
- Clubs and organizations such as the Student Accounting Society and Phi Beta Lambda

Seminole State's Associate in Science (A.S.) degree in Accounting Technology combines advanced systems with the fundamentals of business and accounting to provide students the knowledge and skills required for professional success. Graduates understand how to solve complex problems utilizing the latest accounting technology and techniques.

Profession
Dedicated to ethical practices and sound training, accounting professionals evaluate and maintain the financial health of an organization by creating the reports and schedules that allow companies to assess efficiency, control costs and increase profitability.

Career Opportunities
For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by 16 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics).

College Credit Certificates

Students pursuing this degree also may obtain the following college credit certificates:
- Accounting Applications Technical Certificate
- Accounting Operations Technical Certificate
- Accounting Specialist Technical Certificate
- Financial Operations Certificate
- Financial Operations Specialist Certificate
- Office Specialist Technical Certificate
- Office Support Technical Certificate

Degree Transfer
The following transfer options are available for A.S. degree in Accounting Technology graduates:
- DirectConnect to UCF: The University of Central Florida's Bachelor of Applied Science (B.A.S.) program.
- Additional options: Graduates also may transfer to the University of South Florida or Daytona State College.

Certifications
Graduates of this program are qualified to earn the following industry certifications:
- Accredited Business Accountant (ABA)
- Certified Bookkeeper, American Institute of Professional Bookkeepers (AIUPB), AIOPB001
- Enrolled Agent, IRS, INTRS001
- Intuit Quickbooks Certified User, INTUT001

Additional industry certifications may be available for college credit certificate programs.

Required Courses   36 Credits

ACG	2021	Principles of Financial Accounting	3 Credits
ACG	2071	Principles of Managerial Accounting	3 Credits
ACG	2100	Intermediate Accounting Fundamentals	3 Credits
ACG	2360	Cost Accounting	3 Credits
APA	1111C	Office Accounting I	3 Credits
APA	1112C	Office Accounting II Using QuickBooks	3 Credits
BUL	2241	Business Law I	3 Credits
CGS	2100C	Computer Applications	3 Credits
GEB	1011	Introduction to Business	3 Credits

OST	2335C	Business Communication	3 Credits
OST	2852C	Microsoft Excel	3 Credits
TAX	2000	Federal Income Taxes I	3 Credits

Elective Courses   6 Credits

Choose six credits of electives from the following list:

ACG	2941	Internship in Accounting		1 Credits
ACG	2949	Internship in Accounting		3 Credits
BUL	2242	Business Law II		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
FIN	2001	Business Finance		3 Credits
FIN	2100	Personal Finance		3 Credits
GEB	2112	Entrepreneurship		3 Credits
GEB	2350	Global Business		3 Credits
MAN	2021	Introduction to Management		3 Credits
MAN	2941	Internship in Business		1 Credits
MAN	2949	Internship in Business		3 Credits
OST	1100C	Keyboarding and Document Processing		3 Credits
OST	1355C	Records Management and Legal Implications		3 Credits
OST	2402C	Administrative Office Procedures		3 Credits
OST	2501	Administrative Office Management		3 Credits
OST	2713C	Microsoft Word I		3 Credits
OST	2826C	Microsoft PowerPoint		3 Credits
QMB	1001	Business Mathematics		3 Credits
SBM	2000	Small Business Management		3 Credits
SPC	1608	Speech Communication		3 Credits

General Education Courses   18 Credits

Communication General Education Core course

3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1101H	Honors English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits

Mathematics General Education Core course

3 Credits

MAC 1105 is recommended for students wishing to pursue the B.S. in Business & Information Management

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Humanities General Education Core course

3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Natural Science General Education Core course

3 Credits

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General	Gen Ed Core	4 Credits

		Chemistry		
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Total Credits: 60

Administrative Office Management Associate in Science

Major Code: OSTMS-AS CIP: 1552020401
Program Description
Seminole State's Associate in Science (A.S.) degree in Administrative Office Management prepares students for careers as office managers, administrative assistants and virtual aides. Students learn to work efficiently and effectively by mastering office management techniques and computer applications. Office procedures, corporate culture, etiquette, ethics, team dynamics, leadership skills, time management, records management, business communication, customer support, accounting and technology proficiencies are also emphasized.

Students who successfully complete this degree program, including the 9 credit hours of electives in insurance, are prepared for entry into the industry as a Customer Service Agent or an Account Manager for an independent insurance agency.

Profession
Administrative and office management professionals are often the lifeline of an organization. Utilizing detailed organizational skills, they support all levels of a company by scheduling meetings; making travel arrangements; researching, preparing and distributing reports and managing sensitive information related to budgets, personnel and corporate communications.

Career Opportunities
Graduates of this program are employed as:
· Administrative Assistants
· Executive Assistants
· Office Managers
· Office Supervisors
· Virtual Office Coordinators

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by 12 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics).

College Credit Certificates
Students pursuing this degree also may obtain the following college credit certificates:
· Accounting Applications Technical Certificate
· Accounting Operations Technical Certificate
· Accounting Specialist Technical Certificate
· Office Management Technical Certificate
· Office Specialist Technical Certificate
· Office Support Technical Certificate

Program Note
Seminole State's Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure completion of all entry requirements for the baccalaureate program of their choice.

Certifications
Graduates of this program are qualified to earn the following industry certifications:
· Certification for Legal Professionals, (Accredited Legal Secretary—ALS), The Association for Legal Professionals, (TAFLP001)

- Certified Administrative Professional (CAP), International Association of Administrative Professionals, (AOAP001)
- Certified Professional Secretary, International Association of Administrative Professionals (IAAP)
- Microsoft Office Master, Microsoft Corp., (MICRO017)
- Microsoft Office Specialist (MOS) Bundle Certification (3 out of 5—Word, Excel, PowerPoint, Access, or Outlook), Microsoft Corp., (MICRO069)

Additional industry certifications may be available for college credit certificate programs.

Required Courses   30 Credits

APA	1111C	Office Accounting I	3 Credits
CGS	2100C	Computer Applications	3 Credits
GEB	1011	Introduction to Business	3 Credits
OST	1100C	Keyboarding and Document Processing	3 Credits
OST	1355C	Records Management and Legal Implications	3 Credits
OST	2335C	Business Communication	3 Credits
OST	2402C	Administrative Office Procedures	3 Credits
OST	2501	Administrative Office Management	3 Credits
OST	2713C	Microsoft Word I	3 Credits
OST	2852C	Microsoft Excel	3 Credits

Elective Courses   15 Credits

Choose 15 credits from the following list:

ACG	2021	Principles of Financial Accounting	3 Credits
ACG	2071	Principles of Managerial Accounting	3 Credits
APA	1112C	Office Accounting II Using QuickBooks	3 Credits
BUL	2241	Business Law I	3 Credits
GEB	2112	Entrepreneurship	3 Credits

MAN	2300	Human Resources Management	3 Credits

Mat 1100 or MAT 1033*

*If required by test scores, take either MAT 1033 or MAT 1100. Completing MAT 1033 will allow you to take MAC 1105, MGF 1106, MGF 1107 and STA 2023. Completing MAT 1100 will only allow you to take MGF 1106, MGF 1107 and STA 2023.

MAT	1100	Mathematical Understanding and Applications	3 Credits
MAT	1033	Intermediate Algebra	4 Credits
OST	1108C	Advanced Keyboarding & Document Processing	3 Credits
OST	2794	Internet Research for Business	3 Credits
OST	2826C	Microsoft PowerPoint	3 Credits
OST	2930	Selected Studies in Office Administration	3 Credits
OST	2949	Internship in Office Systems	3 Credits
QMB	1001	Business Mathematics	3 Credits
RMI	2212	Personal and Business Property Insurance	3 Credits
SPC	1608	Speech Communication	3 Credits

General Education Courses   15 Credits

Communication General Education Core course
3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Humanities General Education Core course
3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music	Gen Ed Core	3 Credits

		Appreciation		
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Natural Science General Education Core course

3 Credits

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	

PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 60

Business Administration Associate in Science

Major Code: BSADM–AS CIP: 1552020102
Program Description

Seminole State's Associate in Science (A.S.) degree in Business Administration provides students a broad foundation in business studies including marketing, finance and management. Graduates possess the knowledge and skills to successfully contribute to the economic enterprises competing in today's global market.

Human Resources Management Specialization: Seminole State's Human Resources Management specialization is designed to provide students with a solid foundation in the theories and concepts relevant to success in Human Resource Management. The curriculum focuses on recruiting and staffing, compensation and benefits, employment law and strategic human resources management. This program will prepare students by giving them the knowledge and skills needed to become leaders in today's global market.

Management Specialization: Seminole State's Management specialization is designed to prepare students for employment in supervisory and management positions in a variety of business environments. The content includes instruction in planning, organizing, leading and controlling a business. Emphasis is placed on selected theories of management and decision-making and the knowledge and understanding necessary for managing people and functions.

Marketing and Sales Specialization: Seminole State's Marketing and Sales specialization is designed to prepare students for either employment in sales and marketing positions in a variety of business environments and/or developing the skills required to successfully market an entrepreneurial venture using innovative marketing strategies. Content includes the analysis of business opportunities, social media tools, franchising, global business and sales techniques.

AS to BS (BIM) Specialization: Seminole State's AS to BS (BIM) specialization provides the prerequisite coursework required to enter the Bachelor of Science (B.S.) in Business and Information Management degree program.

General Specialization: Seminole State's General specialization provides a broad foundation in business studies including marketing, finance and management. Graduates possess the knowledge and skills to successfully contribute to the economic enterprises competing in today's global market.

AS to BAS (Management & Organizational Leadership) Specialization: Seminole State's AS to BAS specialization provides the prerequisite coursework required to enter the Bachelor of Applied Science (B.A.S.) in the Management and Organizational Leadership degree program.

Profession
Successful business professionals participate in an increasingly complex and multicultural workforce. They embrace change and possess a broad understanding of the trends that influence today's business environment, including creative entrepreneurship, corporate citizenship, digital marketing and mobile communication.

Career Opportunities
Graduates of this program are employed as:
- Administrative Service Managers
- Business Services Managers
- General Managers
- Technology Support Specialists

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by 15 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics).

College Credit Certificates
Students pursuing this degree also may obtain the following college credit certificates:
- Business Operations Certificate
- Business Specialist Certificate
- Entrepreneurship Certificate
- Entrepreneurship Operations Certificate
- Financial Operations Certificate
- Financial Operations Specialist Certificate
- Human Resources Administrator Technical Certificate
- International Business Certificate
- Management Certificate
- Marketing Certificate

- Small Business Management Certificate

Degree Transfer

The following transfer options are available for A.S. Degree in Business Administration graduates:

- Seminole State's Bachelor of Science (B.S.) in Business and Information Management (BIM).
- DirectConnect to UCF: Seminole State's A.S. Degree in Business Administration will transfer to the College's Bachelor of Arts in Business Administration (B.A.B.A.)
- Some A.S. courses are also transferable to other four-year institutions.

Certifications

Graduates of this program are qualified to earn the following industry certifications:

- Logistics and Supply Chain Management, (AMSTL001)
- Microsoft Office Specialist (MOS) Bundle Certification (3 of 5), (MICRO069)
- Microsoft Office Specialist Master, (MICRO017)
- Transportation and Logistics Certification, (AMSTL002)

Additional industry certifications may be available for college credit certificate programs.

Program Note

Seminole State's Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure completion of all entry requirements for the baccalaureate program of their choice.

Required Courses   30 Credits

CGS	2100C	Computer Applications	3 Credits
GEB	1011	Introduction to Business	3 Credits
MAN	2021	Introduction to Management	3 Credits
MAR	2011	Marketing	3 Credits
OST	2335C	Business Communication	3 Credits
OST	2852C	Microsoft Excel	3 Credits

QMB	1001	Business Mathematics	3 Credits

Choose one accounting group:

APA	1111C	Office Accounting I	3 Credits
APA	1112C	Office Accounting II Using QuickBooks	3 Credits

or

ACG	2021	Principles of Financial Accounting	3 Credits
ACG	2071	Principles of Managerial Accounting	3 Credits

Note: AS to BAS specialization - ACG 2021 & ACG 2071 are recommended.

Choose one legal studies course:

BUL	2240	Legal Issues for Small Businesses	3 Credits
BUL	2241	Business Law I	3 Credits

Elective Courses   15 Credits

Choose 15 credits of elective courses from one of the following Specializations:

Human Resources Management Specialization

MAN	2300	Human Resources Management	3 Credits
MNA	2320	Human Resources Recruitment and Staffing	3 Credits
MNA	2325	Human Resources Compensation and Benefits Administration	3 Credits
MNA	2403	Introduction to Human Resources Management Law and Regulations	3 Credits
OST	1355C	Records Management and Legal Implications	3 Credits

Management Specialization

FIN	2001	Business Finance	3 Credits
GEB	2350	Global Business	3 Credits
MAN	2300	Human Resources Management	3 Credits
SBM	2000	Small Business Management	3 Credits

Academic Programs and Pathways

Elective: Any BUL, ENT, FIN, GEB, MAN, MAR, MKA, MNA, OST, SBM, TRA prefix course (MAN 2604 recommended)

Marketing and Sales Specialization

ENT	2172	Opportunity Analysis and Franchising	3 Credits
MAR	2141	Global Marketing	3 Credits
MAR	2760	Entrepreneurial Marketing and Professional Selling	3 Credits
MKA	2021	Principles of Selling	3 Credits
DIG	1105C	Social Media Tools	3 Credits

AS to BS (BIM) Specialization

ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
MAC	2233	Concepts of Calculus		3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

Elective: Any BUL, ENT, FIN, GEB, MAN, MAR, MKA, MNA, OST, SBM, or TRA prefix course

General Specialization

ENT	2172	Opportunity Analysis and Franchising	3 Credits
FIN	2001	Business Finance	3 Credits
FIN	2100	Personal Finance	3 Credits
GEB	2112	Entrepreneurship	3 Credits
GEB	2350	Global Business	3 Credits
GEB	2930	Selected Studies in Business	3 Credits
GEB	2931	Selected Studies in Business	1 Credits
GEB	2955	Travel Study in Business	3 Credits
MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAN	2043	Quality Management	3 Credits
MAN	2060	Sustainable Business	3 Credits

MAN	2300	Human Resources Management	3 Credits
MAN	2604	Global Management	3 Credits
MAN	2941	Internship in Business	1 Credits
MAN	2942	Internship in Business	2 Credits
MAN	2949	Internship in Business	3 Credits
MAR	2141	Global Marketing	3 Credits
MKA	2021	Principles of Selling	3 Credits
MAR	2760	Entrepreneurial Marketing and Professional Selling	3 Credits
MNA	2320	Human Resources Recruitment and Staffing	3 Credits
MNA	2325	Human Resources Compensation and Benefits Administration	3 Credits
MNA	2403	Introduction to Human Resources Management Law and Regulations	3 Credits
OST	1355C	Records Management and Legal Implications	3 Credits
OST	2794	Internet Research for Business	3 Credits
SBM	2000	Small Business Management	3 Credits
SPC	1608	Speech Communication	3 Credits
TRA	1154	Designing and Managing Supply Chain Systems	3 Credits

Any BUL, ENT, FIN, GEB, MAN, MAR, MKA, OST SBM, SLS, or TRA prefix course

AS to BAS (Management and Organizational Leadership) Specialization

STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits

History General Education course
3 Credits

AMH	2010	United States History to 1865		3 Credits
AMH	2010H	Honors United States History to 1865		3 Credits
AMH	2020	United States	Gen Ed Core	3 Credits

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		History 1865 to Present	Civic Lit	
AMH	2020H	Honors United States History 1865 to Present	Gen Ed Core Civic Lit	3 Credits
AMH	2035	The United States 1945 to Present		3 Credits
AMH	2070	History of Florida		3 Credits
AMH	2090	United States Women's History		3 Credits
AMH	2090H	Honors United States Women's History		3 Credits
AMH	2091	African American History		3 Credits
EUH	2000	Western Civilization to 1600		3 Credits
EUH	2000H	Honors Western Civilization to 1600		3 Credits
EUH	2001	Western Civilization 1600 to Present		3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present		3 Credits
HPS	2100H	Honors History Meets Science		3 Credits
LAH	2020	Latin American History		3 Credits
WOH	1022	World History Since 1500		3 Credits
WOH	2232	Survey of Early Christianity		3 Credits

Social Science General Education course

3 Credits

Choose one Social Science course from Areas A, B, C, E, or F:

Area A Anthropology

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits

Area B Economics

ECO	1000	Basic Economics		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits

ECO	2013H	Honors Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Area C Geography

GEA	1000	World Regional Geography	3 Credits
GEO	1200	Introduction to Physical Geography	3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior		3 Credits
CLP	2140	Abnormal Psychology		3 Credits
DEP	2004	Developmental Psychology		3 Credits
INP	2002	Introduction to Industrial Psychology		3 Credits
PPE	2001	Psychology - Introduction to Personality		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits
PSY	2012H	General Psychology Honors	Gen Ed Core	3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2000H	Honors Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2110H	Honors Introduction to Social Research		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits

SYG	2340	Human Sexuality	3 Credits
SYG	2430	Marriage and the Family	3 Credits
SYP	2512	Sociology of Deviance	3 Credits

Mathematics or Science General Education course
3 Credits

Students should take MAC 1105 if not previously taken. If that course has been taken, choose a Natural Science General Education course in an area not already taken.

Mathematics General Education course

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/ Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Natural Science General Education course

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits

BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits

MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Area C Physical Science

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits
PSC	2521	Sustainability: Concepts and Issues		3 Credits

General Education Courses   15 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Humanities General Education Core course

3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits

PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Natural Science General Education Core course

3 Credits

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits

PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 60

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Criminal Justice Technology
Associate in Science
Major Code: CRIM–AS CIP: 1743010302
Program Description
Seminole State's Associate in Science (A.S.) degree in Criminal Justice Technology provides graduates with a broad foundation in criminal justice studies, including criminal law, legal procedures, criminal evidence and criminology. Topics such as law enforcement, courts and corrections are also reviewed.

The Criminal Justice Technology A.S. Law Enforcement Academy Track is designed to prepare students with the skills, background and instruction needed as a foundation for a career in the criminal justice field as a sworn law enforcement officer in the state of Florida.

As part of this A.S. program, students will have the opportunity to complete criminal justice and general education college credit courses online. After acceptance into the law enforcement academy at Seminole State College, students will complete their law enforcement academy program in person.

Students who complete the required college credit coursework and successfully pass the Florida Department of Law Enforcement Certification Exam will earn both an A.S. in Criminal Justice Technology as well as a Law Enforcement Officer Career Certificate.

Profession
Criminal justice professionals are confident and skilled critical thinkers who risk their lives to uphold the law while they protect and serve their communities. They hold positions in corrections, private and corporate security and law enforcement departments.

Career Opportunities
Graduates of this program are qualified to pursue entry-level criminal justice positions in parole and probation, corrections and the court systems. They also are also eligible for roles in the private sector, including workplace security, private and insurance investigation and safety and security patrol.

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by 18 percent through 2020. Continued demand for public safety professionals will lead to new openings for personnel in local departments (Sources: Bureau of

Labor Statistics).

College Credit Certificates
Students pursuing this degree also may obtain the following college credit certificates:
- Criminal Justice Law Enforcement Leadership Certificate
- Criminal Justice Technology Specialist Certificate
- Homeland Security Professional Certificate

Articulation
Graduates of Seminole State or any other Criminal Justice Standards and Training Commission (CJSTC) certified training academies (Law Enforcement, Corrections, or crossover) may be eligible to receive college-level credit that can be applied toward this degree program.

Degree Transfer
The A.S. degree in Criminal Justice Technology will transfer to Lynn University's Bachelor of Arts in Criminal Justice. Some A.S. degree courses are also transferrable to other four-year institutions. Please review the articulation agreement for additional information.

Required Courses   27 Credits

CCJ	1010	Introduction to Criminology	3 Credits
CCJ	1020	Introduction to Criminal Justice	3 Credits
CCJ	2650	Drugs, Alcohol and Crime	3 Credits
CCJ	2939	Criminal Justice Capstone	3 Credits
CJC	2000	Introduction to Corrections	3 Credits
CJE	1000	Introduction to Law Enforcement	3 Credits
CJE	2600	Criminal Investigation	3 Credits
CJL	1130	Criminal Procedure	3 Credits
CJL	2100	Criminal Law	3 Credits

Elective Courses   15 Credits

Choose 15 credits from the following list:

CCJ	1000	Introduction to Private Security	3 Credits

CCJ	1080	Introduction to Criminal Forensics	3 Credits
CCJ	1629	Introduction to Homicide	3 Credits
CCJ	2053	Criminal Justice Ethics	3 Credits
CCJ	2452	Managing a Criminal Justice Organization	3 Credits
CCJ	2460	Introduction to Criminal Justice Supervision	3 Credits
CCJ	2482	The Public Face of Criminal Justice	3 Credits
CCJ	2600	Inside the Criminal Mind	3 Credits
CCJ	2618	Evil Minds - Violent Predators	3 Credits
CCJ	2647	Organized Crime	3 Credits
CCJ	2693	The Study of Sex Crimes	3 Credits
CCJ	2732	Shaping the Future of Criminal Justice	3 Credits
CJE	1640	Introduction to CSI	3 Credits
CJE	1686	Cybercrime	3 Credits
CJE	2160	Cultural Diversity in Public Safety	3 Credits
CJE	2400	Community Policing	3 Credits
CJE	2566	Domestic Violence, Date Rape and Stalking	3 Credits
CJJ	2002	Juvenile Delinquency	3 Credits
CJL	2131	Criminal Evidence	3 Credits
CJL	2500	U.S. Court Systems	3 Credits
DSC	1002	Introduction to Terrorism	3 Credits
DSC	1070	Introduction to School Safety	3 Credits
DSC	2591	Introduction to Intelligence Analysis	3 Credits
HSC	2400	First Aid and CPR	3 Credits

MAT 1100 or MAT 1033

MAT	1100	Mathematical Understanding and Applications	3 Credits
MAT	1033	Intermediate Algebra	4 Credits
PEM	2101	Conditioning	1 Credits

SLS	1101	College Success		3 Credits

Any CCJ, CJC, CJE, CJJ, CJL, DSC or SLS prefix college credit course

General Education Courses   18 Credits

Communication General Education Core course
3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1101H	Honors English I	Gen Ed Core	3 Credits
SPC	1608	Speech Communication		3 Credits

Humanities General Education Core course
3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Natural Science General Education Core course
3 Credits

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits

BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Mathematics General Education Core course
3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits

MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

> *** POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.**

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 60

Emergency Medical Services (EMS) Associate in Science

Major Code: EMS-AS CIP: 1351090402

Program Description

Seminole State's Associate in Science (A.S.) degree in Emergency Medical Services combines medical theory studies with practical clinical and field internships. Graduates are prepared to assume the role of first responder, life-support provider and physician extender.

Profession

Lives often depend on the quick reaction and competent care of Emergency Medical Technicians (EMTs) and paramedics. Often the first to respond to medical emergencies, natural disasters and acts of terrorism, these emergency professionals apply split-second decision-making skills to assess and stabilize patients who are injured or sick and administer emergency medical care while transporting those patients to healthcare facilities

Career Opportunities

Most Emergency Medical Technicians and Paramedics are hired by private services, fire departments, municipal/governmental organizations, or hospital-based ambulance companies. Paramedic specializations include tactical medicine with police departments, critical care inter-facility transport including aero-medical services, disaster management with technical rescue teams, primary health care with the federal prison system and industrial medicine in the oil and gas industry. Administrative, government, public health and education opportunities also are available.

For career information related to this program, please visit O*Net OnLine.

Job Outlook

Employment in this field is expected to grow by 33 percent (much faster than average) through 2020. Continued demand for emergency medical technicians and paramedics will lead to new openings for personnel in local departments (Source: Bureau of Labor Statistics).

College Credit Certificates

Students pursuing this degree also may obtain the following college credit certificates:
- Emergency Medical Technician (EMT)
- Paramedic Technology (EMT-P)

Articulation

Students who hold Emergency Medical Technician-Basic (EMT-B) certification may receive 11 hours of college credit in the EMS A.S. Degree program upon proof of certification.

Degree Transfer

DirectConnect to UCF: Seminole State's Emergency Medical Services A.S. degree is transferable to the University of Central Florida's Bachelor of Applied Science (B.A.S.) degree.

Program Note

Seminole State's Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure completion of all entry requirements for the baccalaureate program of their choice.

Certifications

Graduates of this program are qualified to earn the

following industry certifications:

- Emergency Medical Technician–Basic (EMT), National Registry of Medical Technicians, (NREMT001).
- EMT–Basic, Florida Department of Health, (FDMQA007)
- JRC/EMS–Paramedic, Florida Department of Health, (FDMQA009)
- Paramedic (EMT–P), Florida Department of Health(FDMQA014)
- Paramedic, National Registry of Medical Technicians, (NREMT004.)

Required Courses   54 Credits

EMT Certificate

EMS	1119	Emergency Medical Technician	7 Credits
EMS	1119L	EMT Laboratory	3 Credits
EMS	1431	EMT Clinical	2 Credits

Paramedic Certificate

EMS	2603	Paramedic I	4 Credits
EMS	2603L	Paramedic I Laboratory	4 Credits
EMS	2604	Paramedic II	4 Credits
EMS	2604L	Paramedic II Laboratory	4 Credits
EMS	2605	Paramedic III	4 Credits
EMS	2605L	Paramedic III Laboratory	4 Credits
EMS	2659	Paramedic Capstone Experience	5 Credits
EMS	2666	Paramedic I Clinical	4 Credits
EMS	2667	Paramedic II Clinical	4 Credits
EMS	2668	Paramedic III Clinical	2 Credits
BSC	1020	Human Biology	3 Credits

Note: BSC 2093C and 2094C, BSC 1084 or EMS 2010 may substitute for BSC1020

Elective Courses   4 Credits

Choose one course from the following list:

EMS	1335	Emergency Vehicle Operations	1 Credits
EMS	2931	Selected Studies In Emergency Medical Services	1 Credits
HSC	1531	Medical Terminology	3 Credits
MAT	1033	Intermediate Algebra	4 Credits
MAT	1100	Mathematical Understanding and Applications	3 Credits

Mathematics General Education course

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/ Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Natural Science General Education course

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with	Gen Ed Core	4 Credits

		Lab		
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits
MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Area C Physical Science

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits
PSC	2521	Sustainability: Concepts and Issues		3 Credits
SLS	1101	College Success		3 Credits

Any SLS prefix college credit course

Any SLS1### course

SLS	1101	College Success	3 Credits
SLS	1103	Introduction to College Life	1 Credits
SLS	1505	Successful Critical Thinking	1 Credits
SLS	1533	Achievement in Mathematics	1 Credits

SLS	1603	Financial Success for Students		1 Credits

Any SLS2### course

SLS	2940	Internship Exploration	Credits
SLS	2941	Internship Exploration	1 Credits
SLS	2942	Internship Exploration	2 Credits
SLS	2949	Internship Exploration	3 Credits
SPC	1608	Speech Communication	3 Credits

General Education Courses   15 Credits

Communication General Education Core course

3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Humanities General Education Core course

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Natural Science General Education Core course

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits

BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Mathematics General Education Core course

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits

MAC	2311H	Honors Analytical Geometry and Calculus I	(Gen Ed Core)	5 Credits
MGF	1106	College Mathematics	(Gen Ed Core)	3 Credits
MGF	1107	Liberal Arts Mathematics	(Gen Ed Core)	3 Credits
STA	2023	Statistical Methods I	(Gen Ed Core)	3 Credits
STA	2023H	Honors Statistical Methods I	(Gen Ed Core)	3 Credits

Social Science General Education Core course*

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	(Gen Ed Core) (Civic Lit)	3 Credits
POS	2041H	Honors U.S. Federal Government	(Gen Ed Core) (Civic Lit)	3 Credits

Total Credits: 73

Entrepreneurship and Business Management
Associate in Science
Major Code: ENTRE-AS CIP: 1552070308
Program Description
Seminole State's Associate in Science (A.S.) degree in Entrepreneurship and Business Management prepares students to start, run and grow an organization by emphasizing the critical thinking skills required to develop innovative business practices. Coursework includes computer applications, communication strategies and personnel management, as well as networking and venture capital acquisition.

Profession
Entrepreneurs play a critical role in the economy by serving as business leaders and innovators. They assume financial risks to bring new ideas to market and possess the decision-making skills to produce economic profits.

Careers in entrepreneurship and small business management are well-suited for individuals who are passionate about owning or operating new businesses or improving existing companies.

Career Opportunities
Graduates of this program are employed as:
- Administrative Services or Office Managers
- Business Owners
- Chief Executive Officers
- General and Operational Managers
- Hotel Managers

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by 15 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics).

College Credit Certificates
Students pursuing this degree also may obtain the following college credit certificates:
- Business Specialist Certificate
- Entrepreneurship Certificate
- Entrepreneurship Operations Certificate
- Human Resources Administrator Technical Certificate

Degree Transfer
Seminole State's A.S. degree in Entrepreneurship and Business Management will transfer to the College's Bachelor of Science (B.S.) in Business Information Management program.

Required Courses   39 Credits

CGS	2100C	Computer Applications	3 Credits
ENT	2172	Opportunity Analysis and Franchising	3 Credits
FIN	2001	Business Finance	3 Credits
GEB	1011	Introduction to Business	3 Credits
GEB	2112	Entrepreneurship	3 Credits
MAR	2760	Entrepreneurial Marketing and Professional Selling	3 Credits
OST	2335C	Business Communication	3 Credits
QMB	1001	Business Mathematics	3 Credits

SBM	2000	Small Business Management	3 Credits

Choose one accounting group:

APA	1111C	Office Accounting I	3 Credits
APA	1112C	Office Accounting II Using QuickBooks	3 Credits

or

ACG	2021	Principles of Financial Accounting	3 Credits
ACG	2071	Principles of Managerial Accounting	3 Credits

Choose one BUL prefix course:

BUL	2240	Legal Issues for Small Businesses	3 Credits
BUL	2241	Business Law I	3 Credits

Choose one GEB prefix course:

GEB	2350	Global Business	3 Credits
GEB	2955	Travel Study in Business	3 Credits

Elective Courses   6 Credits

Choose 6 credits from the following list:

BUL	2261	International Business Law	3 Credits
ENT	2931	Selected Studies in Entreprenurship	1 Credits
MAN	2604	Global Management	3 Credits
MNA	2320	Human Resources Recruitment and Staffing	3 Credits
MNA	2325	Human Resources Compensation and Benefits Administration	3 Credits
MNA	2403	Introduction to Human Resources Management Law and Regulations	3 Credits
MAR	2141	Global Marketing	3 Credits
MKA	2511	Advertising and Sales Promotion	3 Credits
OST	1355C	Records Management and Legal Implications	3 Credits
OST	2794	Internet Research for Business	3 Credits

OST	2852C	Microsoft Excel	3 Credits
SPC	1608	Speech Communication	3 Credits

Any ENT1### course

Any ENT2### course

ENT	2172	Opportunity Analysis and Franchising	3 Credits
ENT	2931	Selected Studies in Entrepreneurship	1 Credits

Any FIN1### course

Any FIN2### course

FIN	2001	Business Finance	3 Credits
FIN	2100	Personal Finance	3 Credits

Any GEB1### course

GEB	1011	Introduction to Business	3 Credits

Any GEB2### course

GEB	2112	Entrepreneurship	3 Credits
GEB	2350	Global Business	3 Credits
GEB	2930	Selected Studies in Business	3 Credits
GEB	2931	Selected Studies in Business	1 Credits
GEB	2955	Travel Study in Business	3 Credits

Any MAN1### course

Any MAN2### course

MAN	2021	Introduction to Management	3 Credits
MAN	2043	Quality Management	3 Credits
MAN	2060	Sustainable Business	3 Credits
MAN	2300	Human Resources Management	3 Credits
MAN	2500	Operations Management	3 Credits
MAN	2604	Global Management	3 Credits
MAN	2930	Selected Studies in Business Management	3 Credits
MAN	2931	Selected Studies in Management	1 Credits
MAN	2941	Internship in Business	1 Credits

| MAN | 2942 | Internship in Business | | 2 Credits |
| MAN | 2949 | Internship in Business | | 3 Credits |

Any MAR1### course

| MAR | 1720 | Social Media Research and Strategy | | 3 Credits |

Any MAR2### course

MAR	2011	Marketing		3 Credits
MAR	2141	Global Marketing		3 Credits
MAR	2723	Social Media Implementation		3 Credits
MAR	2760	Entrepreneurial Marketing and Professional Selling		3 Credits

Any SBM1### course

Any SBM2### course

| SBM | 2000 | Small Business Management | | 3 Credits |

General Education Courses   15 Credits

Communication General Education Core course

3 Credits

| ENC | 1101 | English I | (Gen Ed Core) | 3 Credits |

Natural Science General Education Core course

3 Credits

AST	1002	Introduction to Astronomy	(Gen Ed Core)	3 Credits
AST	1002H	Honors Introduction to Astronomy	(Gen Ed Core)	3 Credits
BSC	1005	Concepts of Biology	(Gen Ed Core)	3 Credits
BSC	1005H	Honors Concepts of Biology	(Gen Ed Core)	3 Credits
BSC	1005C	Concepts of Biology with Lab	(Gen Ed Core)	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	(Gen Ed Core)	Credits

BSC 1085 is not offered at Seminole State College of Florida

| BSC | 2010C | General Biology I | (Gen Ed Core) | 4 Credits |

CHM	1020	Chemistry in Everyday Life	(Gen Ed Core)	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	(Gen Ed Core)	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	(Gen Ed Core)	4 Credits
CHM	2045C	General Chemistry I	(Gen Ed Core)	4 Credits
CHM	2045CH	Honors General Chemistry	(Gen Ed Core)	4 Credits
ESC	1000	Introduction to Earth Science	(Gen Ed Core)	3 Credits
EVR	1001	Introduction to Environmental Science	(Gen Ed Core)	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	(Gen Ed Core)	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	(Gen Ed Core)	4 Credits
PHY	1020	Physics of Everyday Phenomena	(Gen Ed Core)	3 Credits
PHY	1053C	General Physics I	(Gen Ed Core)	4 Credits
PHY	2048C	Physics with Calculus I	(Gen Ed Core)	4 Credits
PHY	2048CH	Honors Physics with Calculus I	(Gen Ed Core)	4 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	(Gen Ed Core)	3 Credits
MAC	2311	Analytic Geometry and Calculus I	(Gen Ed Core)	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	(Gen Ed Core)	5 Credits
MGF	1106	College Mathematics	(Gen Ed Core)	3 Credits
MGF	1107	Liberal Arts Mathematics	(Gen Ed Core)	3 Credits
STA	2023	Statistical Methods I	(Gen Ed Core)	3 Credits
STA	2023H	Honors Statistical Methods I	(Gen Ed Core)	3 Credits

Humanities General Education Core course

3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 60

Fire Science Technology
Associate in Science
Major Code: FIRE-AS CIP: 1743020112
Program Description
Seminole State's Associate in Science (A.S.) degree in Fire Science Technology is a comprehensive program that provides firefighters, fire officers and fire protection professionals a scientific understanding of tactical fire suppression techniques, fire-service leadership and fire prevention practices. The accredited curriculum is

designed to improve operational and administrative effectiveness while establishing a path for career advancement. Courses are available online.

Fire and Emergency Services Higher Education (FESHE) Recognition

The A.S. Fire Science program at Seminole State College has been recognized by FEMA, via the U.S. Fire Administration, as an official Fire and Emergency Services Higher Education (FESHE) institution. The FESHE recognition certificate is an acknowledgement that the A.S. Fire Science Technology degree program meets the minimum standards of excellence established by FESHE professional development committees and the National Fire Academy (NFA).

Profession
Firefighters apply highly specialized skills and techniques to protect the communities they serve. Often the first responders at a crisis scene, firefighters assess and address medical, vehicle and hazardous materials emergencies and provide natural disaster support. Fire science careers include roles as firefighters, fire investigators and fire inspectors with specializations in emergency management, homeland security and forensics.

Career Opportunities
In addition to community fire departments, graduates are qualified for government installations at airports and positions in private firefighting companies. They are also eligible for roles as fire inspectors, investigators, forest rangers and smoke jumpers.

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by nine percent between 2010 and 2020 (sources: Bureau of Labor Statistics).

College Credit Certificates
Students pursuing this degree may also obtain the Fire Officer I college credit certificate.

Florida State Certifications
The A.S. Fire Science Technology Program's

curriculum includes courses that meet state requirements to prepare students for certifications as a:

- Florida Certified Pump Operator
- Fire Instructor
- Fire Investigator
- Fire Officer
- Fire Safety Inspector

Articulation

Students who have completed previous Florida firefighter, fire officer or fire inspector training may be eligible for up to 33 articulated credits toward this program. Students must complete a minimum of 15 credits at Seminole State to qualify.

Required Courses   21 Credits

FFP	1505	Fire Prevention Practices	3 Credits
FFP	1540	Private Fire Protection Systems I	3 Credits
FFP	1612	Fire Behavior and Combustion	3 Credits
FFP	1702	Principles of Emergency Services	3 Credits
FFP	2109	Occupational Safety and Health for the Fire Service	3 Credits
FFP	2120	Building Construction for the Fire Service	3 Credits
FFP	2950	Fire Science Capstone	3 Credits

Elective Courses   21 Credits

Choose 21 elective credits from the following list:

FFP	1000	Introduction to Firefighting	9 Credits
FFP	1301	Fire Protection Hydraulics and Water Supply	3 Credits
FFP	1302	Apparatus Operations	3 Credits
FFP	1510	Fire Protection Code and Standards	3 Credits
FFP	1740	Fire Service Course Delivery	3 Credits
FFP	1793	Fire and Life Safety Educator I	3 Credits
FFP	1801	Managing Emergencies	3 Credits
FFP	1810	Fire Service Strategy and Tactics I	3 Credits
FFP	2111	Hazardous Materials Chemistry I	3 Credits

FFP	2521	Construction Documents and Plans Review	3 Credits
FFP	2541	Fire Protection Systems II	3 Credits
FFP	2610	Fire Investigation I	3 Credits
FFP	2706	Public Information Officer	3 Credits
FFP	2720	Company Officer	3 Credits
FFP	2741	Fire Service Course Design	3 Credits
FFP	2770	Legal and Ethical Issues for the Fire Service	3 Credits
FFP	2780	Fire Department Administration I	3 Credits
FFP	2811	Fire Service Strategy Tactics II	3 Credits
CGS	1060C	Introduction to Computers	3 Credits
CGS	2100C	Computer Applications	3 Credits
MAT	1033	Intermediate Algebra	4 Credits
MAT	1100	Mathematical Understanding and Applications	3 Credits
DSC	1002	Introduction to Terrorism	3 Credits
ENC	1210	Technical Writing	3 Credits

Any FFP prefix college credit course

3 Credits

Any Credit Career FFP1### course

FFP	1301	Fire Protection Hydraulics and Water Supply	3 Credits
FFP	1302	Apparatus Operations	3 Credits
FFP	1505	Fire Prevention Practices	3 Credits
FFP	1510	Fire Protection Code and Standards	3 Credits
FFP	1540	Private Fire Protection Systems I	3 Credits
FFP	1612	Fire Behavior and Combustion	3 Credits
FFP	1702	Principles of Emergency Services	3 Credits
FFP	1740	Fire Service Course Delivery	3 Credits
FFP	1793	Fire and Life Safety Educator I	3 Credits
FFP	1801	Managing Emergencies	3 Credits

FFP	1810	Fire Service Strategy and Tactics I	3 Credits

Any Credit Career FFP2### course

FFP	2109	Occupational Safety and Health for the Fire Service	3 Credits
FFP	2111	Hazardous Materials Chemistry I	3 Credits
FFP	2120	Building Construction for the Fire Service	3 Credits
FFP	2521	Construction Documents and Plans Review	3 Credits
FFP	2541	Fire Protection Systems II	3 Credits
FFP	2610	Fire Investigation I	3 Credits
FFP	2706	Public Information Officer	3 Credits
FFP	2720	Company Officer	3 Credits
FFP	2741	Fire Service Course Design	3 Credits
FFP	2770	Legal and Ethical Issues for the Fire Service	3 Credits
FFP	2780	Fire Department Administration I	3 Credits
FFP	2811	Fire Service Strategy Tactics II	3 Credits
FFP	2949	Internship in Fire Science	3 Credits
FFP	2950	Fire Science Capstone	3 Credits

General Education Courses   18 Credits

Communication General Education Core course

3 Credits

ENC	1101	English I	(Gen Ed Core)	3 Credits
SPC	1608	Speech Communication		3 Credits

Humanities General Education Core course

3 Credits

ARH	1000	Art Appreciation	(Gen Ed Core)	3 Credits
HUM	2020	Experiencing the Humanities	(Gen Ed Core)	3 Credits
HUM	2020H	Honors Experiencing the Humanities	(Gen Ed Core)	3 Credits
LIT	2000	Introduction to Literature	(Gen Ed Core)	3 Credits

MUL	2010	Music Appreciation	(Gen Ed Core)	3 Credits
MUL	2010H	Honors Music Appreciation	(Gen Ed Core)	3 Credits
PHI	2010	Introduction to Philosophy I	(Gen Ed Core)	3 Credits
PHI	2010H	Honors Intro to Philosophy I	(Gen Ed Core)	3 Credits
THE	2000	Theatre Appreciation	(Gen Ed Core)	3 Credits

Natural Science General Education Core course

3 Credits

AST	1002	Introduction to Astronomy	(Gen Ed Core)	3 Credits
AST	1002H	Honors Introduction to Astronomy	(Gen Ed Core)	3 Credits
BSC	1005	Concepts of Biology	(Gen Ed Core)	3 Credits
BSC	1005H	Honors Concepts of Biology	(Gen Ed Core)	3 Credits
BSC	1005C	Concepts of Biology with Lab	(Gen Ed Core)	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	(Gen Ed Core)	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	(Gen Ed Core)	4 Credits
CHM	1020	Chemistry in Everyday Life	(Gen Ed Core)	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	(Gen Ed Core)	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	(Gen Ed Core)	4 Credits
CHM	2045C	General Chemistry I	(Gen Ed Core)	4 Credits
CHM	2045CH	Honors General Chemistry	(Gen Ed Core)	4 Credits
ESC	1000	Introduction to Earth Science	(Gen Ed Core)	3 Credits
EVR	1001	Introduction to Environmental Science	(Gen Ed Core)	3 Credits
EVR	1001H	Honors Introduction to Environmental	(Gen Ed Core)	3 Credits

Science

EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 60

Health Information Technology Associate in Science

Major Code: HINFO-AS CIP: 1351070700

Profession

Health Information Technology (HIT) professionals play a critical role in maintaining, collecting and analyzing the sensitive data doctors, nurses and other healthcare providers rely on to deliver quality medical care in hospitals, physicians' offices and long-term care facilities. Insurance companies and government agencies also employ these professionals to manage patient health information and records, administer computer information systems and code diagnoses and procedures.

Program Description

Accredited by the Commission on Accreditation for Health Informatics and Information Management (CAHIIM) Education, Seminole State's Associate in Science (A.S.) degree in Health Information Technology Program prepares students to utilize technology to collect, analyze, monitor, maintain and report health data. Graduates possess the skills required to process requests for patient health documents, code clinical information and review health data for clinical management, billing, reimbursement and compliance while protecting patient privacy. This program can be completed as a full-time or part-time student and is offered entirely online except for the capstone course, HIM 2943 Practicum Experience II, which requires a supervised professional practice experience in a healthcare setting. The professional practicum experience is a CAHIIM curriculum requirement for all accredited programs. The student must complete the professional practice experience in order to complete the degree requirements. The student should note the program's affiliation sites for the professional practice experience are located in Seminole and Orange Counties. The student is responsible for making the necessary arrangements (transportation, travel, lodging, etc.) to complete their practicum at one of our established sites. In addition, the student may be required to attend and/or interact in a face-to-face setting such as a professional association meeting to fulfill course assignment requirements.

Career Opportunities

Graduates of this program have numerous employment options in healthcare facilities,

government agencies and managed care organizations. To learn more, visit Health Information 101.

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by 21 percent (faster than average) through 2020 (Source: Bureau of Labor Statistics).

College Credit Certificates
Students may complete the following college credit certificate as part of the Health Information Technology A.S. degree:
- Medical Information Coder/Biller

Degree Transfer
DirectConnect to UCF: Graduates of the A.S. degree in Health Information Technology who meet additional requirements are eligible to transfer to the University of Central Florida's Bachelor of Science (B.S.) in Health Information Management. Students planning to transfer should review requirements of a "C" or higher in their discipline-specific courses. UCF also requires that students complete Financial Accounting and Managerial Accounting as prerequisite courses for the B.S. in HIM. However, these courses are not required for the A.S. in HIM degree at Seminole State.

Certifications
Graduates of this program are qualified to earn the following industry certifications:
- Certified Coding Associate (CCA), (AHIMA001)
- Certified Coding Specialist (CCS), (AHIMA002)
- Certified Coding Specialist - Physician-based (CCS-P), (AHIMA003)
- Certified Documentation Improvement Practitioner (CDIP)
- Certified Health Data Analyst (CHDA)
- Certified in Health Care Privacy & Security (CHPS), (AHIMA010)
- Registered Health Information Technician (RHIT), (AHIMA007)

Additional industry certifications may be available for college credit certificate programs.

Program Admission

All students enrolled in a Healthcare Professional program with a clinical or practicum component will be required to complete a full background check with drug/alcohol screening. Students are encouraged to review the clinical facility requirements prior to beginning their coursework.

Please visit the Health Information Technology web page for additional information.

Required Courses   55 Credits

Students must complete all course work with grades of "C" or higher to graduate.

CGS	2100C	Computer Applications	3 Credits
CGS	2108C	Advanced Computer Applications	3 Credits
HIM	1000	Introduction to Health Information Management	3 Credits
HIM	1451	Human Pathophysiology and Pharmacology	4 Credits
HIM	1453	Anatomy and Physiology	3 Credits
HIM	2012	Legal Aspects of Health Information	3 Credits
HIM	2211C	Computer Applications and Technologies in Healthcare	3 Credits
HIM	2214	Health Data Analysis Research and Management	3 Credits
HIM	2272	Advanced Reimbursement Principles of Healthcare Services	3 Credits
HIM	2292	Advanced Coding Applications	3 Credits
HIM	2940	Practicum Experience I	3 Credits
HSC	1531	Medical Terminology	3 Credits
HIM	2721C	Outpatient Coding and Electronic Physician Office	3 Credits
HIM	2510	Healthcare Performance Improvement Practices	3 Credits
HIM	2512	Management of Health Information Operations	3 Credits
HIM	2943	Practicum Experience II	4 Credits
HIM	2722C	Basic Disease Coding	3 Credits
HIM	1622	Introduction to Health Information Statistics	2 Credits

Hartford Internship Program students will take the following 9 credits in place of HIM 2214, HIM 2512 and HIM 2943:

RMI	2212	Personal and Business Property Insurance	3 Credits

Six credits of Cooperative Education from the following courses:

HSC	2941	Internship in Health Sciences	1 Credits
HSC	2942	Internship in Health Sciences	2 Credits
HSC	2949	Internship in Health Sciences	3 Credits

General Education Courses   15 Credits

Communication General Education Core course
3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Students can satisfy the English Requirement with either ENC 1101 English I or ENC 1102 English II.

Humanities General Education Core course
3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Natural Science General Education Core course
3 Credits

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Social Science General Education Core course*
3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

| POS | 2041 | U.S. Federal Government | Gen Ed Core / Civic Lit | 3 Credits |
| POS | 2041H | Honors U.S. Federal Government | Gen Ed Core / Civic Lit | 3 Credits |

Mathematics General Education Core course

3 Credits

STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits

Total Credits: 70

Health Services Management
Associate in Science

Major Code: HEALTH-AS CIP: 1351070101

Program Description

Seminole State's Associate in Science (A.S.) degree in Health Services Management prepares students for employment as health services managers. The content throughout the program includes communication skills, leadership skills, human relations and employability skills, principles of management, introduction to computer literacy, health care organization, medical ethics, legal aspects, and health and safety.

Healthcare is America's fastest-growing service industry. Graduates of this program have numerous employment options in healthcare facilities such as doctors' offices, hospitals and nursing care facilities. The areas of health services management range from patient records management and insurance claims to healthcare financing.

The Healthcare Services Specialist college credit certificate is upwards compatible with the Health Services Management A.S. degree. Students must complete all required and elective courses with a grade of "C" or higher.

Please visit the Health Services Management web page for additional information.

Profession

Healthcare is America's fastest-growing service industry. Graduates of this program have numerous employment options in healthcare facilities such as doctors' offices, hospitals and nursing care facilities. The areas of health services management range from patient records management and insurance claims to healthcare financing.

Career Opportunities

Graduates of this program may be employed in a wide range of entry-level office positions including:

- Medical Practice Manager
- Compliance Specialist
- Front Office Professional
- Referral Coordinator
- Authorization Specialist
- Patient Account Representative
- Trial Study Coordinator
- Transplant Coordinator
- Clinic Registrar
- Credential Specialist
- Patient Service Representative
- Surgery Schedule Coordinator
- Provider Enrollment Specialist
- Community Access Liaison-Hospice
- Dental Office Manager
- Cancer Registrar
- EHR Support Specialist
- Insurance Verifier

For career information related to this program, please visit O*Net OnLine.

Required Courses   39 Credits

Students must complete all Required Courses with a grade of "C" or higher.

HSC	1000	Introduction to Health Care	3 Credits
HSC	1531	Medical Terminology	3 Credits
HIM	1453	Anatomy and Physiology	3 Credits
HIM	1451	Human Pathophysiology and Pharmacology	4 Credits

CGS	2100C	Computer Applications	3 Credits
HSA	2100	Healthcare Delivery Systems	3 Credits
OST	2501	Administrative Office Management	3 Credits
HSA	2255	Medical Office Software	4 Credits
OST	1355C	Records Management and Legal Implications	3 Credits
OST	2335C	Business Communication	3 Credits
HSA	2322	Healthcare Insurance and Payment Systems	3 Credits

HSC 2941 or HSA 2940

1 Credits

Hartford internship students will take HSC 2941.

HSC	2941	Internship in Health Sciences	1 Credits
HSA	2940	Internship in Health Services Management	1 Credits

Any HSC, HSA, HIM, HUN prefix course

3 Credits

Any HSC#### course

HSC	1000	Introduction to Health Care	3 Credits
HSC	1100	Personal and Community Health	3 Credits
HSC	1531	Medical Terminology	3 Credits
HSC	2400	First Aid and CPR	3 Credits
HSC	2561	Dementia Care	2 Credits
HSC	2941	Internship in Health Sciences	1 Credits
HSC	2942	Internship in Health Sciences	2 Credits
HSC	2949	Internship in Health Sciences	3 Credits
HSC	2950	Travel Study in Healthcare	3 Credits
HSC	3057	Research Strategies for Health Science	1 Credits
HSC	3502	Major Diseases in the U.S. Population	3 Credits
HSC	3661	Communications for Healthcare Professionals	2 Credits

HSC	3931	Selected Studies in Health Science	1 Credits
HSC	3932	Selected Studies in Health Science	2 Credits
HSC	3933	Selected Studies in Health Science	3 Credits
HSC	3940	Internship in Health Sciences	3 Credits
HSC	4032	Theory and Practice of Teaching Health Science	3 Credits
HSC	4231	Client Education in Healthcare	3 Credits
HSC	4240	Trends and Theoretical Foundations in Healthcare Simulation	3 Credits
HSC	4244	Managing a Simulation Program or Center	3 Credits
HSC	4245	Instructional Technologies in Healthcare Simulation	3 Credits
HSC	4404	Medical Disaster Management	3 Credits
HSC	4500	Epidemiology	3 Credits
HSC	4555	Pathophysiology	3 Credits
HSC	4694	Individual, Group and Worksite Health Promotion Programs	3 Credits
HSC	4720	Behavior Modification in Health Coaching	3 Credits
HSC	4730	Health Sciences Research	3 Credits
HSC	4921	Capstone Preparation	Credits
HSC	4922	Capstone Project in Health Sciences	3 Credits
HSC	4955	Travel Study in Health Science	3 Credits

Any HSA#### course

HSA	2100	Healthcare Delivery Systems	3 Credits
HSA	2255	Medical Office Software	4 Credits
HSA	2322	Healthcare Insurance and Payment Systems	3 Credits
HSA	2940	Internship in Health Services Management	1 Credits
HSA	2942	Internship in Health Services Management	2 Credits
HSA	2943	Internship in Health Services Management	3 Credits

HSA	3113	Healthcare Trends and Issues	3 Credits
HSA	3191	Health Information Systems	3 Credits
HSA	3383	Continuous Quality Monitoring and Accreditation	3 Credits
HSA	4170	Healthcare Financial Management	3 Credits
HSA	4184	Leadership in Healthcare Organizations	3 Credits
HSA	4553	Legal and Ethical Aspects in Healthcare	3 Credits

Any HIM#### course

HIM	1000	Introduction to Health Information Management	3 Credits
HIM	1442	Pharmacology and Lab Medicine	3 Credits
HIM	1451	Human Pathophysiology and Pharmacology	4 Credits
HIM	1453	Anatomy and Physiology	3 Credits
HIM	1622	Introduction to Health Information Statistics	2 Credits
HIM	2012	Legal Aspects of Health Information	3 Credits
HIM	2214	Health Data Analysis Research and Management	3 Credits
HIM	2272	Advanced Reimbursement Principles of Healthcare Services	3 Credits
HIM	2292	Advanced Coding Applications	3 Credits
HIM	2510	Healthcare Performance Improvement Practices	3 Credits
HIM	2512	Management of Health Information Operations	3 Credits
HIM	2933	Selected Studies in Health Information	3 Credits
HIM	2940	Practicum Experience I	3 Credits
HIM	2943	Practicum Experience II	4 Credits

Any HUM#### course

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits

HUM	2232	Renaissance/Baroque Humanities	3 Credits
HUM	2234	18th and 19th Century Humanities	3 Credits
HUM	2250	20th/21st Century Humanities	3 Credits
HUM	2322	Women, Gender and Culture	3 Credits
HUM	2410	Asian Humanities	3 Credits
HUM	2454	African American Humanities	3 Credits
HUM	2461	Latin American Humanities	3 Credits
HUM	2740	Travel/Study in Humanities	3 Credits
HUM	2821	LGBTQ Studies in the Humanities	3 Credits
HUM	2930	Selected Studies in Humanities	3 Credits
HUM	2931	Selected Studies in Humanities	1 Credits
HUM	2941	Internship in the Humanities	1 Credits
HUM	2942	Internship in the Humanities	2 Credits
HUM	2949	Internship in the Humanities	3 Credits

Elective Courses   6 Credits

Students must complete all Elective Courses with a grade of "C" or higher.

Choose six credits from the following courses:

APA	1111C	Office Accounting I		3 Credits
OST	2402C	Administrative Office Procedures		3 Credits
OST	2852C	Microsoft Excel		3 Credits
MAN	2021	Introduction to Management		3 Credits
GEB	1011	Introduction to Business		3 Credits
OST	2794	Internet Research for Business		3 Credits
RMI	2212	Personal and Business Property Insurance		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits

HSC 2941 or HSA 2940

HSC	2941	Internship in Health Sciences	1 Credits

| HSA | 2940 | Internship in Health Services Management | | 1 Credits |

HSC 2942 or HSA 2942

| HSC | 2942 | Internship in Health Sciences | | 2 Credits |
| HSA | 2942 | Internship in Health Services Management | | 2 Credits |

HSC 2949 or HSA 2943

| HSC | 2949 | Internship in Health Sciences | | 3 Credits |
| HSA | 2943 | Internship in Health Services Management | | 3 Credits |

General Education Courses   15 Credits

Students can satisfy the English Requirement with either ENC 1101 English I or ENC 1102 English II.
3 Credits

| ENC | 1101 | English I | Gen Ed Core | 3 Credits |
| ENC | 1102 | English II | | 3 Credits |

Humanities General Education Core course
3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Mathematics General Education Core course
3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Natural Science General Education Core course
3 Credits

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits

EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Social Science General Education Core course*

3 Credits

> *** POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.**

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 60

Hospitality and Tourism Management Associate in Science

Major Code: HOSPMGT-AS CIP: 1252090101

Program Description

With Seminole State College's close proximity to many top-rated destinations throughout Central Florida, the College provides the perfect opportunity for students to earn an Associate in Science (A.S.) degree in Hospitality and Tourism Management. The degree program prepares students for a career in leadership within the hospitality industry. Through internship experiences and course selections from a defined list of electives and core courses, students can focus their studies on one of three specializations: Hotel Management, Restaurant Management or the Road to Rosen specialization. Students will learn many aspects of the industry, including finance, customer service theory, human resources, marketing and communication.

Hotel Management Specialization: The curriculum within the Hotel Management specialization provides students with the knowledge and skills required to enter the workforce. Students will be exposed to "real world" scenarios as they apply to hotel operations. The courses will introduce students to strategies used in hospitality revenue management, planning and organizing events, as well as information technology specific to hotel accounting, finance, marketing and management.

Restaurant Management Specialization: The Restaurant Management specialization features curriculum that will address menu development, beverage and dining service styles and procedures. Students will also be exposed to safety and sanitation, basic food handling and preparation, human resource management and sales and relationships with other departments and vendors.

Road to Rosen Specialization: This specialization is intended for students who plan on completing their A.S. degree in Hospitality Management and Tourism at Seminole State College and transferring to UCF's Rosen College of Hospitality Management. The Road to Rosen transfer articulation agreement only applies to students who have successfully completed their A.S. degree in Hospitality and Tourism Management prior to transfer.

Profession

Hospitality professionals are passionate about delivering exceptional guest experiences. They are service-oriented, business minded, high-energy and productivity-driven to ensure the operations throughout their establishment run smoothly for the guest.

Career Opportunities

A career in hotel and restaurant management can be a rewarding career choice. There are many opportunities for graduates within this field:

- Hotel Management
- Front Office Reception
- Restaurant Management

- Food and Beverage Management
- Catering and Event Management

For career information related to this program, please visit O*Net Online.

Job Outlook
According to the Department of Economic Opportunity, employment in this field is expected to grow by 16 percent through 2026.

Required Courses   27 Credits

GEB	1011	Introduction to Business	3 Credits
HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	2210	Hospitality Management and Leadership	3 Credits
HFT	2220	Hospitality Human Resource Management & Legal Aspects	3 Credits
HFT	2450	Hospitality Cost Controls and Budgeting	3 Credits
HFT	2500	Hospitality Sales and Marketing	3 Credits
HFT	2949	Internship in Hospitality	3 Credits
OST	2335C	Business Communication	3 Credits

Choose one course:

3 Credits

Students in the Road to Rosen Specialization should take ACG 2021.

HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
ACG	2021	Principles of Financial Accounting	3 Credits

Elective Courses   18 Credits

Choose one of the following Specializations:

Restaurant Management Specialization

Required Electives for the Restaurant Management Specialization

FSS	2203C	Introduction to Culinary Fundamentals	3 Credits
HFT	2265	Principles of Restaurant Management	3 Credits

Choose 12 credits from the following courses:

FSS	2130	Supply and Procurement	3 Credits
HFT	2261	Advanced Restaurant Management	3 Credits
HFT	2264	Catering and Banquet Organization	3 Credits
HFT	2650	Franchising and Multi-Unit Management	3 Credits
HFT	2750	Wedding, Event and Meeting Management	3 Credits
HFT	2941	Internship in Hospitality	1 Credits
HFT	2942	Internship in Hospitality	2 Credits
HFT	2930	Selected Studies in Hospitality Management	3 Credits
HFT	2931	Selected Studies in Hospitality Management	1 Credits
HFT	2932	Selected Studies in Hospitality Management	2 Credits
HFT	2950	Travel Study in Hospitality Management	3 Credits
HUN	1001	Basic Nutrition	3 Credits

Hotel Management Specialization

Required Electives for the Hotel Management Specialization

HFT	1410	Front Office Management	3 Credits
HFT	2441	Information Technology in Hotel Management	3 Credits

Choose 12 credits from the following courses:

CGS	2100C	Computer Applications	3 Credits
FSS	2203C	Introduction to Culinary Fundamentals	3 Credits
HFT	1300	Executive Housekeeping	3 Credits
HFT	2461	Revenue Management	3 Credits
HFT	2750	Wedding, Event and Meeting Management	3 Credits
HFT	2941	Internship in Hospitality	1 Credits

HFT	2942	Internship in Hospitality		2 Credits
HFT	2930	Selected Studies in Hospitality Management		3 Credits
HFT	2931	Selected Studies in Hospitality Management		1 Credits
HFT	2932	Selected Studies in Hospitality Management		2 Credits
HFT	2950	Travel Study in Hospitality Management		3 Credits
MAR	2011	Marketing		3 Credits

Road to Rosen Specialization

ENC	1102	English II		3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
SPC	1608	Speech Communication		3 Credits

Choose one course:
3 Credits

ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits

Choose one course:
3 Credits

ARH	2050	Art History I		3 Credits
ARH	2051	Art History II		3 Credits
LIT	2120	World Literature II		3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Choose one course:
3 Credits

BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits

General Education Courses   15 Credits

Communication General Education Core course
3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Humanities General Education Core course
3 Credits

Students in the Road to Rosen Specialization should take HUM 2020.

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Mathematics General Education Core course
3 Credits

Students in the Road to Rosen Specialization should take MAC 1105, MAC 2311, or MAC 2311H.

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits

STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Natural Science General Education Core course

3 Credits

Students in the Road to Rosen Specialization should take CHM 1020, CHM 2045C or PHY 2048.

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits

PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 60

Legal Assistant/Paralegal Associate in Science

Major Code: LEGAL-AS CIP: 1722030200

Program Description

This American Bar Association (ABA) approved program is designed to prepare qualified persons to work under the supervision of attorneys. Our goal is to help students play essential roles as valuable members of legal teams in various settings including law firms, courts, corporations, financial institutions, non-profit organizations, and various government offices. Students receive academic instruction in a variety of legal areas and hands-on applications in a technology-enhanced environment. A variety of educational experiences which promote critical thinking and the development of specialized skills and professional ethical behavior are integrated throughout the curriculum. This diverse educational foundation prepares our graduates to meet the current and future requirements of the legal community we serve.

The required internship program provides students

the opportunity to gain actual work experience in a legal setting. Students are encouraged to sit for one of the national certification exams, and are aided in their preparation through the curriculum, training, and experiences offered by the program. Specific courses may provide transfer opportunities to four-year institutions.

Many courses in this program are now offered in an online format in addition to traditional face-to-face classroom instruction. Please note that The American Bar Association (ABA) requires students to take a minimum of nine (9) credits of legal specialty courses through synchronous instruction in order to successfully complete the program. Legal specialty courses include, but are not limited to: PLA 1104, PLA 2114, PLA 2203, PLA 2273, PLA 2600, PLA 2610, PLA 2800, PLA 2949, PLA 2303, PLA 2730 and PLA 2930. Synchronous instruction may include traditional in-person class time or mandatory remote attendance at specified times.

Legal Specialty Course Transfer Credit Policy:

a. The following courses have been designated as a legal specialty course for purposes of ABA approval and will not be accepted in transfer: PLA1104, PLA2114, PLA2203, PLA2273, PLA2600, PLA2610, PLA2800, PLA2949, PLA2303, PLA2730 and PLA2930.

b. Exceptions to the transfer of legal specialty courses can be made based on the following criteria:

1. The Paralegal Studies Program Manager may accept transfer credit for a legal specialty course through a course substitution if it is determined that the course in question is sufficiently similar to the one offered as part of the ABA-approved Seminole State College Paralegal Studies curriculum.
2. The student must meet with the Paralegal Studies Program Manager and provide the Program Manager with a copy of the transcript listing the particular legal specialty course with a grade of "C" or better, the date the course was taken, and the number of credits earned for the course.
3. The student must also provide a course syllabus or other acceptable documentation (course assignments, student work product)

and be able to discuss specific paralegal skills acquired throughout the course.

c. Strong preference is given to those courses taken from an ABA-approved paralegal program. The Seminole State College Paralegal Studies Program does not accept professional work experience, CLEP credit, paralegal or legal assistant certifications, CEUs, or the 131 equivalent as transfer credit for legal specialty courses.

d. The maximum number of legal specialty credits that can be awarded through transfer/course substitution is nine (9).

e. Additionally, all Paralegal Studies students must complete a minimum of nine (9) credit hours of legal specialty course work through synchronous instruction; therefore, the number of online legal specialty courses subject to transfer/course substitution may be limited in order to satisfy this requirement. Synchronous instruction may include traditional in-person class time or remote attendance at specified times.

Note: Paralegals may not provide legal services directly to the public except as provided by law.

Profession
Paralegals and legal assistants provide critical support in law firms, courts, corporations, banks and government offices. Astute at managing multiple deadlines and intricate details, these professionals conduct research, prepare reports and assist lawyers with legal proceedings and business meetings.

Career Opportunities
Graduates of this program are employed in:
- Banks/trusts departments
- Corporations and businesses
- Courts
- Federal, state and local government offices
- Insurance companies

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by 22 percent (faster than average) through 2018 (Source:

Bureau of Labor Statistics).

Certifications

The Accredited Legal Professional (DOE code TAFLP001) certification serves as the entry-level examination for those joining the legal support profession.

Degree Transfer

DirectConnect to UCF: The A.S. degree in Legal Assistant/Paralegal will transfer to the University of Central Florida's Bachelor of Arts or Bachelor of Science in Legal Studies if the following courses have also been completed:

- Principles of Economics (MICRO) or Principles of Economics (MACRO),
- One humanities General Education course (ARH 2050, ARH 2051, LIT 2120, PHI 2010, REL 2300 or THE 1020), and
- One mathematics General Education course (MAC 1105, MAC 1114, MAC 2233, MAC 2311, MAC 2312, MAC 2313 or MGF 1106).

Other options: Some A.S. degree courses also are transferrable to other four-year institutions

Required Courses   37 Credits

BUL	2241	Business Law I	3 Credits
CGS	2100C	Computer Applications	3 Credits
PLA	1003	Fundamental Law	3 Credits
PLA	1104	Legal Research and Writing I	4 Credits
PLA	2114	Legal Research and Writing II	3 Credits
PLA	2203	Civil Litigation	3 Credits
PLA	2273	Torts	3 Credits
PLA	2600	Wills, Trusts and Estate Administration	3 Credits
PLA	2610	Real Property I	3 Credits
PLA	2763	Law Office Management and Technology	3 Credits
PLA	2800	Family Law	3 Credits

Choose three credits of Cooperative Education in Legal Studies from the following list:

PLA	2941	Internship in Legal Assisting	1 Credits
PLA	2942	Internship in Legal Assisting	2 Credits
PLA	2949	Internship in Legal Assisting	3 Credits

Elective Courses   6 Credits

Choose 6 credits from the following list:

ACG	2021	Principles of Financial Accounting		3 Credits
APA	1111C	Office Accounting I		3 Credits
BUL	2242	Business Law II		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
PLA	2303	Criminal Litigation		3 Credits
PLA	2413	Intellectual Property		3 Credits
PLA	2612	Real Property II		3 Credits
PLA	2614	Real Property Transactions		3 Credits
PLA	2730	Computer Assisted Legal Research		3 Credits
PLA	2841	Immigration Law		3 Credits
PLA	2930	Selected Studies in Law		3 Credits
PLA	2940	Real Estate Law Practicum		2 Credits
PLA	2941	Internship in Legal Assisting		1 Credits
PLA	2950	Certified Paralegal Exam Review		3 Credits
PUP	2230	Energy and Environmental Policy		3 Credits

Any BUL2### course

BUL	2240	Legal Issues for Small Businesses	3 Credits
BUL	2241	Business Law I	3 Credits
BUL	2242	Business Law II	3 Credits
BUL	2261	International Business Law	3 Credits
BUL	2560	Social Media, Its Environment, Rules and Regulations	3 Credits

BUL	2931	Selected Studies in Business Law	1 Credits

Any GEB1### course

GEB	1011	Introduction to Business	3 Credits

Any GEB2### course

GEB	2112	Entrepreneurship	3 Credits
GEB	2350	Global Business	3 Credits
GEB	2930	Selected Studies in Business	3 Credits
GEB	2931	Selected Studies in Business	1 Credits
GEB	2955	Travel Study in Business	3 Credits

Any ISM1### course

Any ISM2### course

Any MAN1### course

Any MAN2### course

MAN	2021	Introduction to Management	3 Credits
MAN	2043	Quality Management	3 Credits
MAN	2060	Sustainable Business	3 Credits
MAN	2300	Human Resources Management	3 Credits
MAN	2500	Operations Management	3 Credits
MAN	2604	Global Management	3 Credits
MAN	2930	Selected Studies in Business Management	3 Credits
MAN	2931	Selected Studies in Management	1 Credits
MAN	2941	Internship in Business	1 Credits
MAN	2942	Internship in Business	2 Credits
MAN	2949	Internship in Business	3 Credits

Any MAR1### course

MAR	1720	Social Media Research and Strategy	3 Credits

Any MAR2### course

MAR	2011	Marketing	3 Credits
MAR	2141	Global Marketing	3 Credits

MAR	2723	Social Media Implementation	3 Credits
MAR	2760	Entrepreneurial Marketing and Professional Selling	3 Credits

Any OST1### course

OST	1141	Keyboarding	1 Credits

Any OST2### course

OST	2501	Administrative Office Management	3 Credits
OST	2794	Internet Research for Business	3 Credits
OST	2930	Selected Studies in Office Administration	3 Credits
OST	2941	Internship in Office Systems	1 Credits
OST	2942	Internship in Office Systems	2 Credits
OST	2949	Internship in Office Systems	3 Credits

Any SLS1### course

SLS	1101	College Success	3 Credits
SLS	1103	Introduction to College Life	1 Credits
SLS	1505	Successful Critical Thinking	1 Credits
SLS	1533	Achievement in Mathematics	1 Credits
SLS	1603	Financial Success for Students	1 Credits

Any SLS2### course

SLS	2940	Internship Exploration	Credits
SLS	2941	Internship Exploration	1 Credits
SLS	2942	Internship Exploration	2 Credits
SLS	2949	Internship Exploration	3 Credits

Any General Education course

General Education Courses 21 Credits

ENC	1101	English I (Gen Ed Core)	3 Credits
ENC	1102	English II	3 Credits
SPC	1608	Speech Communication	3 Credits

Humanities General Education Core course

3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Natural Science General Education Core course

3 Credits

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits

CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal	Gen Ed Core	3 Credits

		Government	Civic Lit	
POS	2041H	Honors U.S. Federal Government	Gen Ed Core Civic Lit	3 Credits

Total Credits: 64

- -

Nursing (RN)
Associate in Science
Major Code: RN-AS CIP: 1351380100
Program Description
Seminole State's Associate in Science (A.S.) degree in Nursing is accredited by the Accreditation Commission for Education in Nursing (ACEN) and the Florida Board of Nursing. Students accepted into this limited-access program study a broad range of subjects from sciences, nutrition and medical terminology to courses in medical-surgical, mental health, maternal-newborn and pediatric nursing. Additionally, required clinical experiences take place at area hospitals, extended-care facilities and community health organizations. Graduates are qualified to take the national licensure examination (NCLEX-RN) to practice as registered nurses. Students should be aware that acceptance to the College does not guarantee admission to the nursing program.

The Associate in Science degree in Nursing Generic ADN Track is accredited by the Accreditation Commission for Education in Nursing (ACEN), 3390 Peachtree Road NE, Suite 1400, Atlanta, GA 30326, Phone: 404.975.5000, fax: 404.975.5020.

Profession
Nursing ranks as the nation's largest health career field. Registered Nurses (RNs) practice in a variety of settings while providing compassionate care to patients who are ill, injured, convalescent or disabled. Nurses are dedicated to the health and well-being of patients of all ages, health and abilities, and often serve as advocates in the care of individuals and communities.

Career Opportunities
Licensed nurses are qualified to work in any state and, due to their high demand, often choose their positions, hours and employers. Salaries and employment opportunities continue to expand as the health care industry grows, particularly in

Central Florida. Additionally, positions outside of the traditional hospital environment offer nurses versatility and flexibility.

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by 26 percent (faster than average) through 2020 due to the demands caused by technological advancements, an increased emphasis on preventative care and the large aging population (Source: Bureau of Labor Statistics).

Degree Transfer
Qualified students may complete their Bachelor of Science in Nursing (BSN) while pursuing their A.S. in Nursing through the UCF/Seminole State Concurrent Program. Graduates of the program who do not participate in the concurrent program may articulate courses into a Bachelor of Science in Nursing (BSN) program.

Certifications
- Registered Nurse (RN), Florida Department of Health
- Registered Nurse (RN), National Council of State Boards of Nursing

Program Admission
This is a limited-access program. Students begin the generic ADN program three times each year in August (Term I), in January (Term II), or in May (Term III). Interested persons must first be admitted to Seminole State before becoming eligible to apply to the nursing program. The dates for application may vary. Students should be aware that acceptance to the College does not guarantee admission to the nursing program. Provisional acceptance into the program is contingent on satisfying Seminole State-mandated and various healthcare agencies' requirements.

Nursing applications are available on the Nursing website and by attending a nursing information session. Dates of upcoming information sessions can be found on the Nursing website.

All students enrolled in a Healthcare Professional program with a clinical or practicum component

will be required to complete a full background check with drug/alcohol screen. Students are encouraged to review the clinical facility requirements prior to beginning their course work.

The nursing program has specific requirements for admission. Candidates must:

- Apply and be accepted to Seminole State College;
- Complete the Postsecondary Education Readiness Test (PERT) or equivalent (SAT/ACT);
- Achieve a minimum adjusted individual total score of 78 percent on the Test of Essential Academic Skills (TEAS);
- Submit a disposition of any criminal offenses;
- Attain a grade of "C" or higher in all General Education course requirements. The recalculated GPA (prerequisite courses) must be 2.50 or higher. In accordance with College policy, the GPA will not be "rounded up."
- Submit a Nursing Application Packet, with all requirements, for consideration for admission to the program. Incomplete application packets will not be considered.

Students are selected for admission to the nursing program based on the following criteria:

Category 1:

Successful completion of ALL of the required nursing General Education courses and elective courses with a prerequisite GPA of 3.50 or higher.

Category 2:

Successful completion of ALL of the required nursing General Education and elective courses with a prerequisite GPA of 3.00-3.49.

Category 3:

Successful completion of ALL of the required nursing General Education and elective courses with a prerequisite GPA of 2.50-2.99.

Category 4:

Students with outstanding pre or co-requisite courses, in the following order (completed General Education and elective courses must have a GPA of

2.50 or higher):

1. Applicants who have completed: ENC 1101, MAC 1105, BSC 2010C, PSY 2012, HUN 2202, BSC 2093C, BSC 2094C, MCB 2010C, and DEP 2004 or Humanities
2. Applicants who have completed: ENC 1101, MAC 1105, BSC 2010C, PSY 2012, HUN 2202, BSC 2093C, BSC 2094C, and DEP 2004 or Humanities
3. Applicants who have completed: ENC 1101, MAC 1105, BSC 2010C, PSY 2012, HUN 2202, BSC 2093C, and DEP 2004
4. Applicants who have completed: ENC 1101, MAC 1105, BSC 2010C, PSY 2012, HUN 2202, and BSC 2093C
5. Applicants who have completed: ENC 1101, MAC 1105, BSC 2010C, PSY 2012, and HUN 2202
6. Applicants who have completed: ENC 1101, MAC 1105, BSC 2010C, and PSY 2012

Applicants are given priority of admission within each sub-category based on:

- TEAS adjusted individual total score
- Completion of, and GPA in, prerequisite courses

All nursing courses feature Web-enhanced instruction. Students must have access to a computer with Internet capabilities while enrolled in the program.

Required Courses   38 Credits

Students must complete all Required Courses with a grade of "C" or higher.

NUR	1022C	Foundations of Nursing	5 Credits
NUR	1003L	Nursing Skills	2 Credits
NUR	1060C	Health Assessment	3 Credits
NUR	1210C	Concepts of Basic Medical Surgical Nursing	6 Credits
NUR	2520C	Concepts in Mental Health Nursing	3 Credits
NUR	2241C	Advanced Concepts in Medical Surgical Nursing	6 Credits
NUR	2440C	Concepts of Maternal/Child Nursing	6 Credits

NUR	2244C	Complex Concepts in Medical Surgical Nursing		4 Credits
NUR	2943C	Practicum and Client Care Management		3 Credits

Elective Courses   3 Credits

Choose option one: HUN 2202 or option 2: HUN 1201 and HUN 2015

Option one

HUN	2202	Human Nutrition and Diet Therapy		3 Credits

Option two

HUN	1201	The Principles of Nutrition		3 Credits
HUN	2015	Diet Therapy for Health Care Professionals		1 Credits

General Education Courses   31 Credits

Natural Science General Education Core course

3 Credits

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
BSC	2093C	Anatomy and Physiology I		4 Credits
BSC	2094C	Anatomy and Physiology II		4 Credits
MCB	2010C	Microbiology		4 Credits

MCB 2005C Microbiology for Health Professionals may substitute for MCB 2010C in the RN-AS

Communication General Education Core course

3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Students can satisfy the English Requirement with either ENC 1101 English I or ENC 1102 English II.

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits

Or higher level math course

PSY	2012	General Psychology	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Humanities General Education Core course

3 Credits

PHI 2010 is recommended.

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Total Credits: 72

Physical Therapist Assistant (PTA) Associate in Science

Major Code: PTA-AS CIP: 1351080601

Program Description

Seminole State's Physical Therapist Assistant Associate in Science (A.S.) degree is accredited by

the American Physical Therapy Association's Commission on Accreditation in Physical Therapy Education (CAPTE). Students accepted into this limited-access program complete lecture, lab and clinical experiences during a five-term, lock-step course sequence. Coursework emphasizes patient care, PT principals and procedures, neurological and orthopedic therapies and industry trends. Graduates are eligible for licensure after successfully passing the National Physical Therapy Exam and the State Laws and Rules Exam.

Profession

Physical Therapist Assistants (PTAs) play an important role in helping people regain their independence and mobility following an illness or injury. An integral member of a rehabilitation team, PTAs work under the supervision of a physical therapist to help patients of all ages improve their quality of life by restoring physical function or preventing permanent disability. PTAs are responsible for implementing treatment protocols, teaching exercises, performing therapies and reporting client response to the physical therapist. In addition to direct patient care, they also assist with patient transport, preparation for treatments and maintenance of equipment.

Career Opportunities

Physical Therapist Assistants work in a variety of settings including acute and rehabilitation hospitals, private physical therapy offices, community health centers, outpatient and sports facilities, corporate or industrial health centers, research institutions, extended care facilities and schools, colleges and universities.

For career information related to this program, please visit O*Net OnLine.

Job Outlook

The demand for PTAs continues to grow as the nation's rising aging population lives a longer, more active lifestyle. Due to a nationwide shortage of PTAs, employment in this field is expected to grow by 45 percent (much faster than average) through 2020 (Source: Bureau of Labor Statistics).

Certifications

Graduates of this program are qualified to earn the Florida Physical Therapy Assistant, Florida Department of Health, (FDMQA018) industry certification.

Program Admission

This is a limited-access program. Candidates must:

- Apply and be accepted to Seminole State College and complete the Postsecondary Education Readiness Test (PERT) or equivalent, if necessary;
- Complete and submit appropriate documentation for a minimum of 20 hours of observation, volunteer service, or work experience in more than one type of physical therapy setting. More than 20 hours and two types of facilities are recommended and will be considered in the selection of candidates. Observation hours in excess of 100 will not be considered. Students can submit up to 100 hours from the last three years. At least 20 hours must be completed within one year of application submission deadline.
- Complete the TEAS$^®$ exam with a minimum Adjusted Individual Total Score of 59% (or scaled score of 422).
- Provide their MySeminoleState unofficial transcript to indicate an overall GPA of 2.5 or higher.
- Students from other accredited colleges (not Seminole State) must provide official transcripts for evaluation by the Office of Student Records. Once evaluation of transcripts is completed, it may be downloaded by logging into MySeminoleState.
- Submit the completed PTA Program application packet available on the **PTA website** by February 28 with all attachments: MySeminoleState unofficial transcripts, PTA Program Application Form and forms documenting work, volunteer or observation experience.
- All students enrolled in a Healthcare Professional program with a clinical or practicum component will be required to complete a full background check with drug/alcohol screening. Students are encouraged to review the **clinical facility requirements** prior to beginning their course work.

Required Courses 50 Credits

Students must complete all Required Courses with a grade of "C" or higher.

PHT	1000	Introduction to Physical Therapy	2 Credits
PHT	1120	Functional Kinesiology	3 Credits
PHT	1120L	Functional Kinesiology Lab	2 Credits
PHT	1200	Basic Patient Care	2 Credits
PHT	1200L	Basic Patient Care Laboratory	2 Credits
PHT	1213	Modalities	2 Credits
PHT	1213L	Modalities Lab	2 Credits
PHT	1800L	Physical Therapy Clinical Experience I	6 Credits
PHT	2289	Cardiopulmonary Rehabilitation	1 Credits
PHT	2289L	Cardiopulmonary Rehabilitation Lab	1 Credits
PHT	2253	Neurological Conditions and Treatment I	2 Credits
PHT	2253L	Neurological Conditions and Treatment I Lab	1 Credits
PHT	2255	Neurological Conditions and Treatment II	2 Credits
PHT	2255L	Neurological Conditions and Treatment II Lab	1 Credits
PHT	2304C	Pathophysiology I	2 Credits
PHT	2307	Pathophysiology II	1 Credits
PHT	2224	Therapeutic Exercise I	2 Credits
PHT	2224L	Therapeutic Exercise I Lab	2 Credits
PHT	2228	Therapeutic Exercise II	2 Credits
PHT	2228L	Therapeutic Exercise II Laboratory	2 Credits
PHT	2310	Orthopedic Conditions and Treatment	2 Credits
PHT	2810L	Physical Therapy Clinical Experience II	6 Credits
PHT	2931	Trends in Physical Therapy	2 Credits

General Education Courses   24 Credits

BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Or any Area B or C General Education Science Course (<u>Note</u>: BSC 2010C is a prerequisite for BSC 2093C)

BSC	2093C	Anatomy and Physiology I	4 Credits
BSC	2094C	Anatomy and Physiology II	4 Credits
ENC	1101	English I Gen Ed Core	3 Credits

Students can satisfy the English Requirement with either ENC 1101 English I or ENC 1102 English II.

MAC	1105	College Algebra Gen Ed Core	3 Credits

or higher level MAC or MAP prefix course that meets General Education requirements.

Humanities General Education Core course
3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Social Science General Education Core course*
3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022

or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 74

Respiratory Care
Associate in Science
Major Code: RESPR-AS CIP: 1351090800

Program Description

Seminole State's Associate in Science (A.S.) degree in Respiratory Care is accredited by the Commission on Accreditation for Respiratory Care (CoARC: Program #200359). CoARC accredits respiratory therapy education programs in the United States. To achieve this end, it utilizes an 'outcomes based' process. Programmatic outcomes are performance indicators that reflect the extent to which the educational goals of the program are achieved and by which program effectiveness is documented.

Students accepted into this limited-access program study a broad range of subjects from basic sciences to advanced courses in cardiopulmonary physiology, critical care medicine and pediatrics. Additionally, required clinical experiences take place at area hospitals and extended-care facilities. Graduates are eligible to sit for the National Board for Respiratory Care examinations for Certified Respiratory Therapist (CRT) and Registered Respiratory Therapist (RRT).

Profession

Serving as vital members of a healthcare team, Respiratory Therapists (RTs) treat patients with breathing problems caused by pulmonary and cardiac disease. Applying scientific principles to identify, prevent and treat acute or chronic dysfunctions of the cardiopulmonary system, RTs work in acute, sub-acute and home care environments.

Career Opportunities

As the nation's population ages and medical advances have improved treatments for lung and heart patients, the demand for qualified respiratory professionals has grown significantly. Respiratory Care Practitioners (RCPs) provide services in a variety of settings, including hospitals, emergency and trauma centers, diagnostic laboratories, physician offices, pulmonary and cardiac rehabilitation centers and home care.

For career information related to this program, please visit O*Net OnLine.

Job Outlook

Employment in this field is expected to grow by 28 percent (faster than average) from now until 2020. Continued growth in the aging population will lead to greater demand for respiratory therapy services and treatments, primarily in hospitals and nursing homes (Source: Bureau of Labor Statistics).

Certifications

Graduates of this program are qualified to earn the following industry certifications:

- Certified Respiratory Therapist (CRT), Florida Department of Health, (FDMQA018)
- Registered Respiratory Therapist (RRT), Florida Department of Health, (FDMQA02)
- Registered Respiratory Therapist (RRT), National Board for Respiratory Care, (NBFRC002)

Program Admission

This is a limited-access program. Candidates must:

- Apply and be accepted to Seminole State College;
- Complete the Postsecondary Education Readiness Test (PERT) or equivalent;
- Provide an official transcript(s) indicating successful completion of a standard high school diploma or equivalent;
- Submit a completed respiratory care application.

Respiratory applications are available on the Respiratory Care website and by attending a respiratory care information session. Dates of upcoming information sessions can be found on the respiratory care website.

All students enrolled in a Healthcare Professional program with a clinical or practicum component

will be required to complete a full background check with drug/alcohol screening. Students are encouraged to review the clinical facility requirements prior to beginning their course work.

The Application Selection Process:

All applications must meet the following requirements to be considered:

- An overall GPA of 2.5 or higher;
- Successful completion of the following courses with a grade of "C" or higher:
  - BSC 2093C Anatomy and Physiology I
  - ENC 1101 English I
  - Eligible for College Algebra (through test scores or completion of prerequisite course(s)).

If applications meeting the above criteria are greater than the number of seats available in the program, applications will be prioritized into the following criteria:

Category 1:

- Successful completion of ALL of the required respiratory care General Education courses with a grade of "C" or higher and an overall GPA of 2.5 or higher.

Category 2:

- Successful completion of requirements to be considered for admission (BSC 2093C, ENC 1101, and eligible for College Algebra) with a GPA of 2.5 or higher. The more General Education classes students complete, the more competitive they will be.

Applicants who have not completed all of the General Education courses must include a Plan of Completion form with their application.

Required Courses   52 Credits

Students must complete all Required Courses with a grade of "C" or higher.

RET	1024L	Foundations of Respiratory Care Lab	3 Credits
RET	1025	Principles of Respiratory Care	3 Credits
RET	1264	Principles of Mechanical Ventilation	3 Credits

RET	1275	Clinical Care Techniques	3 Credits
RET	1295	Chest Medicine	3 Credits
RET	1450	Basic Physiological Monitoring	3 Credits
RET	1485	Cardiopulmonary Physiology	3 Credits
RET	1874L	Clinical Practice I	4 Credits
RET	1875L	Clinical Practice II	3 Credits
RET	2244C	Life Support	3 Credits
RET	2876L	Clinical Practice III	4 Credits
RET	2877L	Clinical Practice IV	4 Credits
RET	2714	Pediatric Respiratory Care	3 Credits
RET	1264L	Intro to ICU Respiratory Lab	2 Credits
RET	1450L	Critical Care Respiratory Lab	2 Credits
RET	2714L	Neonatal and Pediatric Respiratory Lab	2 Credits
RET	2244L	Advanced Respiratory Care Lab	2 Credits
RET	1007	Intro to Pharmacology	1 Credits
RET	1451	Advanced Respiratory Pharmacology	2 Credits

General Education Courses   24 Credits

Students must complete all General Education Courses with a grade of "C" or higher.

BSC	2093C	Anatomy and Physiology I		4 Credits
BSC	2094C	Anatomy and Physiology II		4 Credits
ENC	1101	English I	Gen Ed Core	3 Credits

Students can satisfy the English Requirement with either ENC 1101 English I or ENC 1102 English II.

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits

Natural Science General Education Core course

4 Credits

BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Humanities General Education Core course

3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 76

Social Media and Marketing Associate in Science

Major Code: MARSOC-AS CIP: 1252140101

Program Description

This program prepares students for either employment in organizations and businesses (for-profit or not-for-profit) as marketing, advertising, and public relations managers or preparation for further education in the area of marketing. This program offers an optional social media specialization that provides the relevant technical knowledge and skills needed to prepare and manage a social media campaign for a business.

Career Opportunities

Graduates of this program may be employed in a wide range of industries in positions such as:

- Social Media Content Managers
- Social Media Coordinators/Specialists
- Digital Marketing Strategists
- Digital Marketing Managers
- Digital Media Managers

For career information related to this program, please visit O*Net OnLine.

Profession

Social media and marketing professionals develop, coordinate and guide communities of interest, while attracting and encouraging conversation about and heightening the visibility of a business or organization. They use creative and dynamic approaches to advance a company's social media, communications, media relations, public relations and events promotion. They are instrumental in developing and enhancing the company's brand awareness and online reputation.

Required Courses   39 Credits

CGS	2100C	Computer Applications	3 Credits
GEB	1011	Introduction to Business	3 Credits
MAN	2021	Introduction to Management	3 Credits
MAR	2011	Marketing	3 Credits
OST	2335C	Business Communication	3 Credits
OST	2852C	Microsoft Excel	3 Credits
MAR	2760	Entrepreneurial Marketing and Professional Selling	3 Credits
DIG	1105C	Social Media Tools	3 Credits
MAR	1720	Social Media Research and Strategy	3 Credits
MAR	2723	Social Media Implementation	3 Credits

Choose one accounting group:

ACG	2021	Principles of Financial Accounting	3 Credits
ACG	2071	Principles of Managerial Accounting	3 Credits

or

APA	1111C	Office Accounting I	3 Credits
APA	1112C	Office Accounting II Using QuickBooks	3 Credits

Choose one legal studies course:

BUL	2240	Legal Issues for Small Businesses	3 Credits
BUL	2241	Business Law I	3 Credits

Elective Courses   6 Credits

Choose 6 credits from the following list:

BUL	2261	International Business Law	3 Credits
BUL	2560	Social Media, Its Environment, Rules and Regulations	3 Credits
GEB	2112	Entrepreneurship	3 Credits
OST	2501	Administrative Office Management	3 Credits
MAR	2141	Global Marketing	3 Credits
MKA	2021	Principles of Selling	3 Credits
SPC	1608	Speech Communication	3 Credits

Any GEB1### course

GEB	1011	Introduction to Business	3 Credits

Any GEB2### course

GEB	2112	Entrepreneurship	3 Credits
GEB	2350	Global Business	3 Credits
GEB	2930	Selected Studies in Business	3 Credits
GEB	2931	Selected Studies in Business	1 Credits
GEB	2955	Travel Study in Business	3 Credits

Any MAR1### course

MAR	1720	Social Media Research and Strategy	3 Credits

Any MAR2### course

MAR	2011	Marketing	3 Credits
MAR	2141	Global Marketing	3 Credits
MAR	2723	Social Media Implementation	3 Credits
MAR	2760	Entrepreneurial Marketing and Professional Selling	3 Credits

General Education Courses   15 Credits

Communication General Education Core course
3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Humanities General Education Core course
3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Natural Science General Education Core course
3 Credits

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology	Gen Ed Core	4 Credits

with Lab

| BSC | 1085 | Anatomy and Physiology I - Transfer | Gen Ed Core | Credits |

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits

MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

> ** POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.*

| POS | 2041 | U.S. Federal Government | Gen Ed Core / Civic Lit | 3 Credits |
| POS | 2041H | Honors U.S. Federal Government | Gen Ed Core / Civic Lit | 3 Credits |

Total Credits: 60

Accounting Applications Technical Certificate

Major Code: ACTAP-CC CIP: 0552030205

Program Description

This program is designed for students who intend to seek immediate employment in the field of accounting. It is also beneficial for those individuals who are employed in the accounting field and need to advance their skills. Accounting skills are taught manually and through the use of accounting software. Students who complete this certificate gain employment as payroll assistants, accounts payable and receivable clerks, small office accounting assistants and full charge bookkeepers. This certificate is upward compatible with the A.S. degree, Administrative Office Management and the A.S. degree, Accounting Technology.

Required Courses   21 Credits

APA	1111C	Office Accounting I	3 Credits
APA	1112C	Office Accounting II Using QuickBooks	3 Credits
OST	1100C	Keyboarding and Document Processing	3 Credits

OST	2335C	Business Communication	3 Credits
OST	2713C	Microsoft Word I	3 Credits
OST	2852C	Microsoft Excel	3 Credits
QMB	1001	Business Mathematics	3 Credits

Elective Courses 6 Credits

Choose six credits from the following list:

ACG	2021	Principles of Financial Accounting	3 Credits
ACG	2071	Principles of Managerial Accounting	3 Credits
ACG	2949	Internship in Accounting	3 Credits
CGS	2100C	Computer Applications	3 Credits
GEB	1011	Introduction to Business	3 Credits
MAN	2949	Internship in Business	3 Credits
OST	1355C	Records Management and Legal Implications	3 Credits
OST	2402C	Administrative Office Procedures	3 Credits
OST	2501	Administrative Office Management	3 Credits
OST	2826C	Microsoft PowerPoint	3 Credits
OST	2949	Internship in Office Systems	3 Credits

Total Credits: 27

Accounting Operations
Technical Certificate
Major Code: ACCOP-CC CIP: 0552030203
Program Description
This program is designed to prepare students for entry-level positions or to provide supplemental training for persons previously or currently employed in accounting and business. The content introduces students to the process of data entry into accounting software programs and includes the preparation, presentation and analysis of financial reports. Accounting skills are taught manually and through the use of accounting software. This certificate is upward compatible with the A.S.

degree, Administrative Office Management or the A.S. degree, Accounting Technology.

Required Courses 18 Credits

APA	1111C	Office Accounting I	3 Credits
APA	1112C	Office Accounting II Using QuickBooks	3 Credits
OST	1100C	Keyboarding and Document Processing	3 Credits
OST	2335C	Business Communication	3 Credits
OST	2852C	Microsoft Excel	3 Credits
QMB	1001	Business Mathematics	3 Credits

Total Credits: 18

Accounting Specialist
Technical Certificate
Major Code: ACCSP-CC CIP: 0552030204
Program Description
This program is designed to prepare students for entry-level positions in accounting and business or to provide supplemental training for persons previously or currently employed. The content introduces students to the process of data entry into accounting software programs and includes the preparation, presentation and analysis of financial reports. Accounting skills are taught manually and through the use of accounting software. This certificate is upward compatible with the A.S. degree, Administrative Office Management or the A.S degree, Accounting Technology.

Career Opportunities
- Accounting Assistant
- Accounting Clerk
  - Accounts Receivable Clerk
  - Billing Clerk
  - Accounts Payable Clerk
  - Payroll Clerk

Required Courses 12 Credits

APA	1111C	Office Accounting I	3 Credits
OST	1100C	Keyboarding and Document Processing	3 Credits

OST	2335C	Business Communication	3 Credits
QMB	1001	Business Mathematics	3 Credits

Total Credits: 12

Business Operations
Technical Certificate
Major Code: BUSOP-CC CIP: 0552020104
Program Description
This program is designed to prepare students for employment in a variety of business environments and/or to provide supplemental training for persons previously or currently employed in business occupations.

The certificate is upward compatible with the A.S. degree, Business Administration. Associate in Arts and Associate in Science students completing the courses listed below are eligible for this certificate.

Required Courses   18 Credits

CGS	2100C	Computer Applications	3 Credits
GEB	1011	Introduction to Business	3 Credits
OST	2335C	Business Communication	3 Credits
OST	2852C	Microsoft Excel	3 Credits
QMB	1001	Business Mathematics	3 Credits

Choose one course:

ACG	2021	Principles of Financial Accounting	3 Credits
APA	1111C	Office Accounting I	3 Credits

Total Credits: 18

Business Specialist
Technical Certificate
Major Code: BUSSP-CC CIP: 0552020103
Program Description
This program is designed to prepare students for employment in business environments and/or to provide supplemental training for students previously or currently employed in business occupations. The certificate is upward compatible with the A.S. degree, Business Administration.

Career Opportunities
- Accounting Clerk
- Hotel Clerk
- Office Manager
- Receptionist
- Retail Clerk
- Salesperson
- Telemarketer

Required Courses   12 Credits

CGS	2100C	Computer Applications	3 Credits
GEB	1011	Introduction to Business	3 Credits
OST	2335C	Business Communication	3 Credits

Choose one course:

ACG	2021	Principles of Financial Accounting	3 Credits
APA	1111C	Office Accounting I	3 Credits

Total Credits: 12

Chef's Apprentice
Technical Certificate
Major Code: CHEFAPP-CC CIP: 0612050302
Program Description
The Chef's Apprentice Certificate is a 12 credit hour certificate program that provides basic fundamental skills needed for entry into the culinary arts profession. The curriculum is focused on the essential knowledge and basic skills one needs to work safely and efficiently in the workplace. The certificate is upward compatible with the Hospitality and Tourism Management A.S. degree.

Required Courses   12 Credits

FSS	2203C	Introduction to Culinary Fundamentals	3 Credits
FSS	2130	Supply and Procurement	3 Credits
HFT	2210	Hospitality Management and Leadership	3 Credits
HUN	1001	Basic Nutrition	3 Credits

Total Credits: 12

Criminal Justice Technology Specialist
Technical Certificate

Major Code: CJTSP-CC CIP: 0743010304
Program Description
This program provides a career pathway for students pursuing an A.S. degree in Criminal Justice Technology. Students will acquire the skills and knowledge to further their education and careers in the law, public safety and security fields. The certificate is upward compatible with the A.S. degree, Criminal Justice Technology.

Required Courses 24 Credits

CCJ	1010	Introduction to Criminology	3 Credits
CCJ	1020	Introduction to Criminal Justice	3 Credits
CCJ	2650	Drugs, Alcohol and Crime	3 Credits
CJC	2000	Introduction to Corrections	3 Credits
CJE	1000	Introduction to Law Enforcement	3 Credits
CJE	2600	Criminal Investigation	3 Credits
CJL	1130	Criminal Procedure	3 Credits
CJL	2100	Criminal Law	3 Credits

Total Credits: 24

Emergency Medical Technician – Basic (EMT)
Technical Certificate
Major Code: EMT-CC CIP: 0351090415
Program Description
This is a one-semester (12 credits) program of classroom lecture, practical skill laboratory and patient clinical experience designed to prepare students for employment as Emergency Medical Technicians (EMTs). The practical skill laboratory (3 credits) includes application practice and performance evaluation in simulated patient care situations. The clinical application (2 credits) provides patient care opportunities with pre-hospital emergency care providers and in-hospital settings.

The curriculum encompasses the U.S. Department of Transportation's National Standard Curriculum for the EMT and meets the requirements of the Florida Department of Bureau of Emergency

Medical Services. All EMT students must submit a national criminal background check and complete the PERT examination prior to acceptance into the program. Students must not have been convicted of a crime as listed in the EMS student handbook, which is available in the EMS Department. EMS 1119, EMS 1119L and EMS 1431 must all be completed during the same term. Successful completion of EMS 1119, EMS 1119L and EMS 1431, with an overall grade of "C" (80 percent) in each course, qualifies students to complete the National Registry Certification Examination and the Florida EMT Certification.

This is a limited-access program. Candidates must:
- Apply and be accepted to Seminole State College;
- Submit a completed EMS/EMT Program Application Form;
- Submit proof of age (minimum 18 years of age);
- Provide official transcripts indicating successful completion of a standard high school diploma or equivalent;
- Attend a mandatory information session and orientation; and
- Complete or be exempt from the Postsecondary Education Readiness Test (PERT).

This certificate is upward compatible with the A.S. degree, Emergency Medical Services (EMS).

Required Courses 12 Credits

EMS	1119	Emergency Medical Technician	7 Credits
EMS	1119L	EMT Laboratory	3 Credits
EMS	1431	EMT Clinical	2 Credits

Total Credits: 12

Entrepreneurship
Technical Certificate
Major Code: ENTRE-CC CIP: 0552070308
Program Description
This program is designed to teach students the fundamentals of starting and operating a business venture while presenting entrepreneurship as a

viable career option. Coursework covers opportunity recognition, business planning, cash flow and financial management, market research including the professional marketing use of social media tools, e-commerce and how to understand accounting information.

The certificate is upward compatible with the A.S. degree, Business Administration and the A.S. degree, Entrepreneurship and Business Management.

Required Courses   12 Credits

GEB	1011	Introduction to Business	3 Credits
GEB	2112	Entrepreneurship	3 Credits
SBM	2000	Small Business Management	3 Credits

Choose one accounting course:

ACG	2021	Principles of Financial Accounting	3 Credits
APA	1111C	Office Accounting I	3 Credits

Total Credits: 12

Entrepreneurship Operations Technical Certificate
Major Code: ENTREOP-CC CIP: 0552070309
Program Description
This program is designed to prepare the student to launch an entrepreneurial venture. Coursework covers opportunity analysis and franchising, entrepreneurial marketing and professional selling techniques including the professional marketing use of social media tools, preparation of a business plan, financial statement preparation and analysis, sources of financing and the management of an entrepreneurial venture.

The certificate is upward compatible with the A.S. degree, Business Administration and the A.S. degree, Entrepreneurship and Business Management.

Required Courses   24 Credits

APA	1111C	Office Accounting I	3 Credits
APA	1112C	Office Accounting II Using QuickBooks	3 Credits

Choose one BUL course:

BUL	2240	Legal Issues for Small Businesses	3 Credits
BUL	2241	Business Law I	3 Credits
ENT	2172	Opportunity Analysis and Franchising	3 Credits
GEB	1011	Introduction to Business	3 Credits
GEB	2112	Entrepreneurship	3 Credits
MAR	2760	Entrepreneurial Marketing and Professional Selling	3 Credits
SBM	2000	Small Business Management	3 Credits

Elective Courses   1 Credits

Choose one credit from the following list:

ENT	2931	Selected Studies in Entrepreneurship	1 Credits
GEB	2931	Selected Studies in Business	1 Credits
MAN	2941	Internship in Business	1 Credits

Total Credits: 25

Event Planning Management Technical Certificate
Major Code: EVTPLMT-CC CIP: 0252090905
Program Description
The Event Planning Management Certificate is part of the Hospitality and Tourism Management Associate of Science degree. It is designed to prepare students with the foundational skills to properly execute a variety of elements. This certificate offers a sequence of courses related to the principles and practices of public relations, sales and marketing, menu planning and operational expenses.

Required Courses   24 Credits

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
HFT	2210	Hospitality Management and Leadership	3 Credits

HFT	2220	Hospitality Human Resource Management & Legal Aspects	3 Credits
HFT	2500	Hospitality Sales and Marketing	3 Credits
HFT	2750	Wedding, Event and Meeting Management	3 Credits
OST	2335C	Business Communication	3 Credits

Any HFT or FSS prefix course

3 Credits

Any HFT1### course

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	1300	Executive Housekeeping	3 Credits
HFT	1410	Front Office Management	3 Credits

Any HFT2### course

HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
HFT	2210	Hospitality Management and Leadership	3 Credits
HFT	2220	Hospitality Human Resource Management & Legal Aspects	3 Credits
HFT	2261	Advanced Restaurant Management	3 Credits
HFT	2264	Catering and Banquet Organization	3 Credits
HFT	2265	Principles of Restaurant Management	3 Credits
HFT	2441	Information Technology in Hotel Management	3 Credits
HFT	2450	Hospitality Cost Controls and Budgeting	3 Credits
HFT	2461	Revenue Management	3 Credits
HFT	2500	Hospitality Sales and Marketing	3 Credits
HFT	2650	Franchising and Multi-Unit Management	3 Credits
HFT	2750	Wedding, Event and Meeting Management	3 Credits
HFT	2930	Selected Studies in Hospitality Management	3 Credits
HFT	2931	Selected Studies in Hospitality Management	1 Credits
HFT	2932	Selected Studies in Hospitality	2 Credits

		Management	
HFT	2941	Internship in Hospitality	1 Credits
HFT	2942	Internship in Hospitality	2 Credits
HFT	2949	Internship in Hospitality	3 Credits
HFT	2950	Travel Study in Hospitality Management	3 Credits

Any FSS1### course

Any FSS2### course

FSS	2130	Supply and Procurement	3 Credits

Total Credits: 24

Financial Operations Technical Certificate

Major Code: FINOP-CC CIP: 0552070308

Program Description

This program is designed to increase students' accounting and economics knowledge. Associate in Arts and Associate in Science students completing the courses listed below are eligible for this certificate.

Required Courses   12 Credits

ACG	2021	Principles of Financial Accounting	3 Credits
ACG	2071	Principles of Managerial Accounting	3 Credits
ECO	2013	Principles of Economics (MACRO)	3 Credits
ECO	2023	Principles of Economics (MICRO)	3 Credits

Total Credits: 12

Financial Operations Specialist Technical Certificate

Major Code: FINSP-CC CIP: 0552030203

Program Description

This program is designed to increase students' accounting, economics, computer and statistical knowledge. Associate in Arts and Associate in Science students completing the courses listed below are eligible for this certificate.

Required Courses   18 Credits

ACG	2021	Principles of Financial Accounting	3 Credits
ACG	2071	Principles of Managerial Accounting	3 Credits
CGS	2100C	Computer Applications	3 Credits
ECO	2013	Principles of Economics (MACRO)	3 Credits
ECO	2023	Principles of Economics (MICRO)	3 Credits
STA	2023	Statistical Methods I	3 Credits

Total Credits: 18

Fire Officer Supervisor Technical Certificate

Major Code: FROFSP-CC CIP: 0743020111

Program Description

The Fire Officer Supervisor program is designed to incorporate leadership, management and tactical firefighting theories for those pursuing a career as a fire officer. The foundation of this program is based on the National Fire Protection Association (NFPA) 1021 Standard for Fire Officer Professional Qualifications and the National Fire Academy (FESHE) initiative. This program includes the curriculum requirement for the State of Florida Bureau of Fire Standards and Training Fire Officer I certification.

Required Courses   12 Credits

FFP	1740	Fire Service Course Delivery	3 Credits
FFP	1810	Fire Service Strategy and Tactics I	3 Credits
FFP	2120	Building Construction for the Fire Service	3 Credits
FFP	2720	Company Officer	3 Credits

Total Credits: 12

Food and Beverage Management Technical Certificate

Major Code: FDBEVMT-CC CIP: 0252090503

Program Description

The Food and Beverage Management Certificate introduces students to the key concepts for how to successfully operate and manage hospitality establishments. Additional topics covered

throughout the curriculum include laws that affect the hospitality industry, sales and marketing strategies, services and menu development and facility layout.

Required Courses   30 Credits

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
HFT	2210	Hospitality Management and Leadership	3 Credits
HFT	2220	Hospitality Human Resource Management & Legal Aspects	3 Credits
HFT	2265	Principles of Restaurant Management	3 Credits
HFT	2450	Hospitality Cost Controls and Budgeting	3 Credits
HFT	2500	Hospitality Sales and Marketing	3 Credits
FSS	2203C	Introduction to Culinary Fundamentals	3 Credits
HFT	2750	Wedding, Event and Meeting Management	3 Credits
OST	2335C	Business Communication	3 Credits

Total Credits: 30

Food and Beverage Operations Technical Certificate

Major Code: FDBEVOP-CC CIP: 0252090508

Program Description

The Food and Beverage Operations Certificate is intended to provide students with the essential skills to work within the restaurant industry. Students will review a variety of topics related to the basic principles and practices of safe hygiene and food and beverage preparation. This certificate is upward compatible with the Hospitality and Tourism Management A.S. degree.

Required Courses   18 Credits

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
		Hospitality Human Resource	3 Credits

HFT	2220	Management & Legal Aspects	
HFT	2265	Principles of Restaurant Management	3 Credits
HFT	2450	Hospitality Cost Controls and Budgeting	3 Credits
FSS	2203C	Introduction to Culinary Fundamentals	3 Credits

Total Credits: 18

Food and Beverage Specialist Technical Certificate

Major Code: FDBEVSP-CC CIP: 0252090507
Program Description

The Food and Beverage Specialist Certificate provides students with an introduction to the food and beverage industry. Curriculum for the certificate provides a broad base of knowledge which focuses on customer relations, basic food handling and beverage and dining services styles and procedures. The certificate is upward compatible with the Hospitality and Tourism Management A.S. degree.

Required Courses   12 Credits

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
FSS	2203C	Introduction to Culinary Fundamentals	3 Credits
HFT	2265	Principles of Restaurant Management	3 Credits

Total Credits: 12

Guest Services Specialist Technical Certificate

Major Code: GUESTSV-CC CIP: 0252090403
Program Description

The Guest Services Specialization Certificate is designed to provide students with the knowledge and tools to optimize a guest's experience within the hotel and restaurant industries. The curriculum covers topics related to customer service, management, and leadership and human relations. The Guest Services Specialist Certificate is upward

compatible with the Hospitality and Tourism Management A.S. degree.

Required Courses   15 Credits

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
HFT	2210	Hospitality Management and Leadership	3 Credits
HFT	2220	Hospitality Human Resource Management & Legal Aspects	3 Credits

Any HFT or FSS prefix course

3 Credits

Any HFT1### course

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	1300	Executive Housekeeping	3 Credits
HFT	1410	Front Office Management	3 Credits

Any HFT2### course

HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
HFT	2210	Hospitality Management and Leadership	3 Credits
HFT	2220	Hospitality Human Resource Management & Legal Aspects	3 Credits
HFT	2261	Advanced Restaurant Management	3 Credits
HFT	2264	Catering and Banquet Organization	3 Credits
HFT	2265	Principles of Restaurant Management	3 Credits
HFT	2441	Information Technology in Hotel Management	3 Credits
HFT	2450	Hospitality Cost Controls and Budgeting	3 Credits
HFT	2461	Revenue Management	3 Credits
HFT	2500	Hospitality Sales and Marketing	3 Credits
HFT	2650	Franchising and Multi-Unit Management	3 Credits
HFT	2750	Wedding, Event and Meeting Management	3 Credits

HFT	2930	Selected Studies in Hospitality Management	3 Credits
HFT	2931	Selected Studies in Hospitality Management	1 Credits
HFT	2932	Selected Studies in Hospitality Management	2 Credits
HFT	2941	Internship in Hospitality	1 Credits
HFT	2942	Internship in Hospitality	2 Credits
HFT	2949	Internship in Hospitality	3 Credits
HFT	2950	Travel Study in Hospitality Management	3 Credits

Any FSS1### course

Any FSS2### course

FSS	2130	Supply and Procurement	3 Credits

Total Credits: 15

Healthcare Services Specialist Technical Certificate

Major Code: MEDOFFC-CC CIP: 0351070102
Program Description

This 27-credit-hour certificate program includes a series of courses that prepare students to become proficient on the latest software used in medical offices. A medical office manager plays an integral part in the day-to-day operations of a medical practice. Medical office manager responsibilities include, but are not limited to, monitoring the office budget, ordering medical supplies and implementing office policies and procedures. Graduates will also be trained to understand the complexities of healthcare insurance regulations and payment systems. This certificate is upward compatible with the A.S. degree, Health Services Management. Students must complete all program courses with a grade of "C" or higher.

Required Courses   27 Credits

HSC	1000	Introduction to Health Care	3 Credits
HSC	1531	Medical Terminology	3 Credits
CGS	2100C	Computer Applications	3 Credits
HSA	2100	Healthcare Delivery Systems	3 Credits

HSA	2255	Medical Office Software	4 Credits
OST	1355C	Records Management and Legal Implications	3 Credits
OST	2335C	Business Communication	3 Credits
HSA	2322	Healthcare Insurance and Payment Systems	3 Credits

Any HSC, HSA, HIM, HUN or OST prefix course

2 Credits

Any HSC1### course

HSC	1000	Introduction to Health Care	3 Credits
HSC	1100	Personal and Community Health	3 Credits
HSC	1531	Medical Terminology	3 Credits

Any HSC2### course

HSC	2400	First Aid and CPR	3 Credits
HSC	2561	Dementia Care	2 Credits
HSC	2941	Internship in Health Sciences	1 Credits
HSC	2942	Internship in Health Sciences	2 Credits
HSC	2949	Internship in Health Sciences	3 Credits
HSC	2950	Travel Study in Healthcare	3 Credits

Any HSA1### course

Any HSA2### course

HSA	2100	Healthcare Delivery Systems	3 Credits
HSA	2255	Medical Office Software	4 Credits
HSA	2322	Healthcare Insurance and Payment Systems	3 Credits
HSA	2940	Internship in Health Services Management	1 Credits
HSA	2942	Internship in Health Services Management	2 Credits
HSA	2943	Internship in Health Services Management	3 Credits

Any HIM1### course

HIM	1000	Introduction to Health Information Management	3 Credits
HIM	1442	Pharmacology and Lab Medicine	3 Credits

HIM	1451	Human Pathophysiology and Pharmacology	4 Credits
HIM	1453	Anatomy and Physiology	3 Credits
HIM	1622	Introduction to Health Information Statistics	2 Credits

Any HIM2### course

HIM	2012	Legal Aspects of Health Information	3 Credits
HIM	2214	Health Data Analysis Research and Management	3 Credits
HIM	2272	Advanced Reimbursement Principles of Healthcare Services	3 Credits
HIM	2292	Advanced Coding Applications	3 Credits
HIM	2510	Healthcare Performance Improvement Practices	3 Credits
HIM	2512	Management of Health Information Operations	3 Credits
HIM	2933	Selected Studies in Health Information	3 Credits
HIM	2940	Practicum Experience I	3 Credits
HIM	2943	Practicum Experience II	4 Credits

Any HUN1### course

HUN	1001	Basic Nutrition	3 Credits
HUN	1201	The Principles of Nutrition	3 Credits
HUN	1930	Selected Studies in Nutrition	1 Credits

Any HUN2### course

HUN	2015	Diet Therapy for Health Care Professionals	1 Credits
HUN	2202	Human Nutrition and Diet Therapy	3 Credits

Any OST1### course

OST	1141	Keyboarding	1 Credits

Any OST2### course

OST	2501	Administrative Office Management	3 Credits
OST	2794	Internet Research for Business	3 Credits
OST	2930	Selected Studies in Office Administration	3 Credits

OST	2941	Internship in Office Systems	1 Credits
OST	2942	Internship in Office Systems	2 Credits
OST	2949	Internship in Office Systems	3 Credits

Total Credits: 27

Homeland Security Professional Certificate
Technical Certificate
Major Code: HLSPR-CC CIP: 0743011202
Program Description
This program focuses on the role of the criminal justice professional in Homeland Security and Private Security related professions. Students will gain an understanding of the management and administration of Law Enforcement and Security Operations as well as a working knowledge of the fundamentals of criminal and private investigations. The student will comprehend the importance of effective working relationships and human diversity as well as environmental changes for private as well as public safety.

Required Courses   15 Credits

CCJ	1000	Introduction to Private Security	3 Credits
CJL	2500	U.S. Court Systems	3 Credits
CJE	1000	Introduction to Law Enforcement	3 Credits
CCJ	2053	Criminal Justice Ethics	3 Credits
CCJ	1020	Introduction to Criminal Justice	3 Credits

Total Credits: 15

Human Resources Administrator
Technical Certificate
Major Code: HRADM-CC CIP: 0552020105
Program Description
The purpose of this program is to prepare students for employment as human resources administrators, specialists and generalists, benefits administrators, training and development specialists, records management specialists, recruiting and staffing specialists and employee relations specialists or to provide supplemental

training for persons previously or currently employed in the field. The curriculum focuses on human resources management, recruitment and staffing, compensation and benefits administration, employment law and records management and includes an introduction to business. This certificate is upward compatible with the A.S. degree, Business Administration.

Required Courses   21 Credits

GEB	1011	Introduction to Business	3 Credits
OST	2335C	Business Communication	3 Credits
MAN	2300	Human Resources Management	3 Credits
MNA	2320	Human Resources Recruitment and Staffing	3 Credits
MNA	2325	Human Resources Compensation and Benefits Administration	3 Credits
MNA	2403	Introduction to Human Resources Management Law and Regulations	3 Credits
OST	1355C	Records Management and Legal Implications	3 Credits
		Total Credits: 21	

Management
Technical Certificate

Major Code: BMGT-CC CIP: 0552070101
Program Description

The purpose of this program is to prepare students for employment in supervisory and management positions in a variety of business environments and/or to provide supplemental training for persons previously or currently employed in management occupations. The content includes instruction in planning, organizing, leading and controlling a business. Emphasis is placed on selected theories of management and decision-making and the knowledge and understanding necessary for managing people and functions. Students will be able to demonstrate knowledge of principles and practices of management including:

- Understanding the need for management skills in all kinds of organizations;
- Describing the three basic levels of management and types of positions associated with each;

- Identifying and distinguishing strategic, operational and tactical plans;
- Defining an organization's vision and mission;
- Identifying and describing various planning activities, including goal-setting, budgeting and establishing policies and procedures;
- Describing and providing applications of the process of rational decision-making;
- Defining and giving examples of coordination, authority, power, responsibility, accountability and span of management; and
- Defining the process of managerial control.

This certificate is upward compatible with the A.S. degree, Business Administration and the A.S. degree, Entrepreneurship and Business Management.

Required Courses   24 Credits

Choose one course:

ACG	2021	Principles of Financial Accounting	3 Credits
APA	1111C	Office Accounting I	3 Credits

Choose one course:

BUL	2240	Legal Issues for Small Businesses	3 Credits
BUL	2241	Business Law I	3 Credits
GEB	1011	Introduction to Business	3 Credits
GEB	2350	Global Business	3 Credits
MAN	2021	Introduction to Management	3 Credits
MAN	2300	Human Resources Management	3 Credits
MAN	2604	Global Management	3 Credits
SBM	2000	Small Business Management	3 Credits
		Total Credits: 24	

Marketing
Technical Certificate

Major Code: BMAR-CC CIP: 0552070101
Program Description

The purpose of this program is to prepare students for employment in marketing positions in a variety of business environments and/or to provide supplemental training for persons currently employed in marketing occupations. Content includes the four P's of marketing: price, product, place (distribution) and promotion of a business. Emphasis is on selected theories of marketing, sales, advertising/promotion and e-Business. Students will be able to demonstrate knowledge of the following marketing principles:

- Understanding products and markets;
- Utilizing available sources to obtain product knowledge and perform market research via the Internet;
- Creating a marketing plan;
- Explaining the use of goods classification and life cycle analyses as planning tools for marketing;
- Performing market segmentation;
- Developing and modifying marketing mixes for a business;
- Identifying target markets;
- Evaluating marketing activities; and
- Describing the techniques for sales and promotions.

This certificate is upward compatible with the A.S. degree, Business Administration and the A.S. degree, Entrepreneurship and Business Management.

Required Courses   18 Credits

GEB	1011	Introduction to Business	3 Credits
MAR	2011	Marketing	3 Credits
MAR	2141	Global Marketing	3 Credits
MAR	2760	Entrepreneurial Marketing and Professional Selling	3 Credits
MKA	2021	Principles of Selling	3 Credits
OST	2335C	Business Communication	3 Credits

Elective Courses   6 Credits

Choose six credits from the following list:

CGS	2100C	Computer Applications	3 Credits
ENT	2172	Opportunity Analysis and Franchising	3 Credits
GEB	2112	Entrepreneurship	3 Credits
GEB	2350	Global Business	3 Credits
GEB	2930	Selected Studies in Business	3 Credits
GEB	2931	Selected Studies in Business	1 Credits
GEB	2955	Travel Study in Business	3 Credits
MAN	2941	Internship in Business	1 Credits
MAN	2942	Internship in Business	2 Credits
MAN	2949	Internship in Business	3 Credits
OST	2794	Internet Research for Business	3 Credits
OST	2852C	Microsoft Excel	3 Credits

Total Credits: 24

Medical Information Coder/Biller: Health Information Management Technical Certificate

Major Code: HINFO-CC CIP: 0351071404
Profession

This program prepares students for employment as Medical Coders and Health Insurance Specialists. The Medical Coder/Biller is responsible for assigning correct diagnostic and procedural codes based on medical documentation from patients' medical records to provide the data for medical insurance reimbursement and compliance. This program offers simulated practice where students manually and electronically prepare insurance claims and experience hands-on training with practice management software and an electronic health record.

Program Description

Approved by the AHIMA Foundation Professional Certificate Approval Program, the Medical Information Coder/Biller program content is comprehensive, covering both inpatient and outpatient coding and documentation principles. This requires knowledge and abilities in anatomy

and physiology, pathophysiology, pharmacology, computer software, reimbursement, health insurance, ethics, legal and regulatory requirements and health information management.

The program can be completed in as little as five semesters and is offered entirely online. Completion of the program will provide students with 37 college credits, which may be applied to the Health Information Technology Associate in Science degree at Seminole State College.

Students must have access to a computer with Internet capabilities while enrolled in the program. Computers with Internet access are available at all Seminole State campuses.

Certifications
Graduates of this program are qualified to earn the following industry certifications:
- American Academy of Professional Coders (AAPC)
- American Health Information Management Association (AHIMA)
- Certified Coding Associate (CCA)
- Certified Coding Specialist (CCS)
- Certified Coding Specialist-Physician-Based (CCS-P)
- Certified Professional Coder (CPC)
- Certified Professional Coder-Outpatient Hospital (CPC-H)

Program Admission
Candidates must apply and be accepted to Seminole State College. To begin major courses (for example, Basic Disease Coding) all prerequisite and supporting courses must be completed.

Please visit the Medical Information Coder/Biller web page for additional information.

Career Opportunities
Graduates of this program have numerous employment opportunities in physician offices, healthcare facilities, government organizations, and managed care organizations. To learn more, visit hicareers.com.

Job Outlook
Employment in this field is expected to grow by 21 percent (faster than average) through 2020 (Source: Bureau of Labor Statistics).

Articulation
This certificate is upward compatible with the Associate in Science (A.S.) degree, Health Information Technology.

Required Courses   34 Credits

Students must complete all course work with grades of "C" or higher to graduate.

CGS	2100C	Computer Applications	3 Credits
HIM	1000	Introduction to Health Information Management	3 Credits
HIM	2940	Practicum Experience I	3 Credits
HIM	2012	Legal Aspects of Health Information	3 Credits
HIM	2292	Advanced Coding Applications	3 Credits
HIM	2721C	Outpatient Coding and Electronic Physician Office	3 Credits
HIM	2722C	Basic Disease Coding	3 Credits
HSC	1531	Medical Terminology	3 Credits
HIM	1451	Human Pathophysiology and Pharmacology	4 Credits
HIM	2211C	Computer Applications and Technologies in Healthcare	3 Credits
HIM	1453	Anatomy and Physiology	3 Credits

General Education Courses   3 Credits

ENC	1101	English I	3 Credits

Students can satisfy the English Requirement with either ENC 1101 English I or ENC 1102 English II.

Total Credits: 37

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Office Management Technical Certificate
Major Code: OSS-CC CIP: 0552020401
Program Description
This program is designed to prepare students for employment in an office environment using today's technology. It also prepares students to assume

managerial responsibilities. This certificate is upward compatible with the A.S. degree, Administrative Office Management.

Required Courses   27 Credits

APA	1111C	Office Accounting I	3 Credits
CGS	2100C	Computer Applications	3 Credits
OST	1100C	Keyboarding and Document Processing	3 Credits
OST	1355C	Records Management and Legal Implications	3 Credits
OST	2335C	Business Communication	3 Credits
OST	2402C	Administrative Office Procedures	3 Credits
OST	2501	Administrative Office Management	3 Credits
OST	2713C	Microsoft Word I	3 Credits
OST	2852C	Microsoft Excel	3 Credits

Total Credits: 27

Office Specialist
Technical Certificate
Major Code: OSPCL-CC CIP: 0552040704
Program Description
This program is designed to prepare students for employment in an office environment. Students acquire the knowledge and skills to produce correspondence and perform accounting applications. This certificate is upward compatible with the A.S. degree, Administrative Office Management or the A.S. degree, Accounting Technology.

Required Courses   18 Credits

APA	1111C	Office Accounting I	3 Credits
CGS	2100C	Computer Applications	3 Credits
OST	1100C	Keyboarding and Document Processing	3 Credits
OST	2335C	Business Communication	3 Credits
OST	2402C	Administrative Office Procedures	3 Credits
OST	2713C	Microsoft Word I	3 Credits

Total Credits: 18

Office Support
Technical Certificate
Major Code: OSP-CC CIP: 0552020403
Program Description
This program prepares students to obtain an entry-level position in an office environment. This certificate is upward compatible with the A.S. degree, Administrative Office Management and the A.S. degree, Accounting Technology.

Career Opportunities
- Administrative Assistant
- Office Clerk
- Office Assistant
- Front Desk Assistant
- Receptionist
- Data Entry Clerk
- Customer Support
- File Clerk

Required Courses   12 Credits

CGS	2100C	Computer Applications	3 Credits
OST	1100C	Keyboarding and Document Processing	3 Credits
OST	2335C	Business Communication	3 Credits
OST	2402C	Administrative Office Procedures	3 Credits

Total Credits: 12

Paramedic Technology
Technical Certificate
Major Code: PARMD-CC CIP: 0351090405
Program Description
The Paramedic is a healthcare/public safety professional whose primary focus is to provide advanced emergency medical care for critical and emergent patients who access the emergency medical system. Paramedics possess the complex knowledge and skills necessary to provide patient care and transportation. The paramedic program is fully accredited by the Committee on Accreditation of Allied Health Education Programs (CAAHEP) and the Florida Department of Health, Office of Emergency Medical Services. All Paramedic

students must submit a National Criminal Background check and complete the PERT examination prior to the start of the program unless exempted by the Counseling and Educational Planning Department. Students must not have been convicted of a crime as listed in the EMS student handbook available in the EMS Department. All courses within the Paramedic Program must be completed in the proper sequence during one calendar year. Successful completion of all courses within the Paramedic Program with an overall grade "C" (80 percent) in each course, qualifies students to complete the State of Florida Paramedic certification examination administered by the Florida Department of Health, Division of Medical Quality Assurance.

Technical skills required for becoming a paramedic

This is a limited-access program. Candidates must:
- Apply and be accepted to Seminole State College;
- Submit a completed EMS Paramedic application;
- Submit proof of age (minimum 18 years of age);
- Provide an official transcript(s) indicating successful completion of a standard high school program or equivalent;
- Complete the Post-secondary Education Readiness Test (PERT) and achieve the following scores: Reading -106 or higher, Sentence Skills - 103 or higher, Algebra or exemption -114 or higher; or be exempt from common placement testing;
- Have earned a 2.0 cumulative GPA or higher;
- Attend an information session;
- Possess a current Florida EMT certification or proof of successful completion of a Florida EMT program; and
- Successfully complete a criminal background check and drug screening exam.

Priority will be given to applicants with the following:
- Current employment with an EMS or hospital provider;
- An Associate degree or higher;
- Healthcare experience; and/or

- Have obtained a GPA of 3.0 or higher.

This certificate is upward compatible with the A.S. degree, Emergency Medical Services.

Required Courses   42 Credits

EMS	2603	Paramedic I	4 Credits
EMS	2603L	Paramedic I Laboratory	4 Credits
EMS	2604	Paramedic II	4 Credits
EMS	2604L	Paramedic II Laboratory	4 Credits
EMS	2605	Paramedic III	4 Credits
EMS	2605L	Paramedic III Laboratory	4 Credits
EMS	2659	Paramedic Capstone Experience	5 Credits
EMS	2666	Paramedic I Clinical	4 Credits
EMS	2667	Paramedic II Clinical	4 Credits
BSC	1020	Human Biology	3 Credits

Note: BSC 2093C and 2094C, BSC 1084 or EMS 2010 may substitute for BSC1020

EMS	2668	Paramedic III Clinical	2 Credits

Total Credits: 42

Pharmacy Technician Technical Certificate
Major Code: PHARM-ATD CIP: 0351080503
Profession
Advances in the pharmaceuticals that support modern medical practices have produced a healthier, more active population that is living longer. Pharmacy technicians play an integral role in the distribution of those medicines. Technicians work under the supervision of licensed pharmacists to measure medications and ensure prescription accuracy. They also perform calculations, assist with investigational drug studies, maintain patient records, package medications and manage pharmacy inventory.

Program Description

Seminole State's Pharmacy Technician Applied Technology Diploma Program emphasizes the basic technical skills, theoretical concepts and clerical functions required to operate as a pharmacy technician. Graduates are qualified to work under the direction of a licensed pharmacist in long-term care facilities, drug stores, drug manufacturers, wholesale drug houses and health maintenance organizations. They are also eligible to apply for the Pharmacy Technician Certification Board Examination (CPhT).

Career Opportunities

As the nation's population ages, pharmacies are expanding their patient care services. As a result, the role of and demand for pharmacy technicians is increasing. With advanced training and experience, pharmacy technicians can obtain supervisory positions, seek specialization (e.g. oncology, nuclear pharmacy) and/or become a pharmacy specialist or a pharmacist. Technicians may also choose to pursue further studies in sterile products admixture, pharmacy automation and health information systems.

Job Outlook

Pharmacy technicians are in high demand. Employment in this field is expected to grow by 32 percent (much faster than average) from now until 2020 (Source: Bureau of Labor Statistics).

Articulation

This Applied Technology Diploma (A.T.D.) is upward compatible with Seminole State's Associate in Science (A.S.) degree in Pharmacy Management.

Certifications

Graduates of this program are qualified to earn the following industry certifications:

- National Pharmacy Technician Certification, Institute for the Certification of Pharmacy Technicians, (COPT001)
- Pharmacy Technician, Pharmacy Technician Certification Board, (PTCBD001)

Placement and Salary Information

Visit Smart-College-Choices.com to access employment numbers and the estimated average, annual full-time wage for graduates of this program.

Program Admission

All students enrolled in a Healthcare Professional program with a clinical or practicum component will be required to complete a full background check with drug/alcohol screening. Students are encouraged to review the clinical facility requirements prior to beginning their course work.

Please visit the Pharmacy Technician web page for additional information.

Required Courses   37 Credits

HSC	1531	Medical Terminology	3 Credits
PTN	1001	Introduction into Pharmacy Technology	3 Credits
PTN	1121	Pharmacology I	3 Credits
PTN	1122	Pharmacology II	3 Credits
PTN	1131	Concepts in Pharmacy Practice	3 Credits
PTN	1138L	Pharmacy Compounding	2 Credits
PTN	1705	Pharmaceutics and Calculation	3 Credits
PTN	1734	Pharmacy Operations	3 Credits
PTN	1948C	IV Infusion for Pharmacy Technology	3 Credits
PTN	1945C	Pharmacy Technician Practicum	4 Credits

Choose one course:

3 Credits

CGS	1060C	Introduction to Computers	3 Credits
CGS	2100C	Computer Applications	3 Credits

General Education Courses   3 Credits

ENC	1101	English I	3 Credits

Total Credits: 40

Real Estate Paraprofessional Technical Certificate

Major Code: REPARAL-CC CIP: 0722030203

Program Description

Throughout the certificate program, students will

receive a well-rounded education focusing on all aspects of real estate transactions and mortgage foreclosures. They will understand the concepts underlying a real estate closing, including the issuance of title insurance commitments, policies and endorsements and various deferral state regulations that affect real estate closings. The practicum will be the culmination of the program where students will be working alongside real estate attorneys, clients and title examiners. This certificate is upward compatible with the A.S. degree, Legal Assistant/Paralegal. The Real Estate Paraprofessional Certificate is not an ABA Approved program option. The certificate does not prepare students to work as paralegals.

Required Courses   11 Credits

PLA	2610	Real Property I	3 Credits
PLA	2612	Real Property II	3 Credits
PLA	2614	Real Property Transactions	3 Credits
PLA	2940	Real Estate Law Practicum	2 Credits

Total Credits: 11

Rooms Division Management Technical Certificate

Major Code: RMDIVMT-CC CIP: 0252090402
Program Description
The Rooms Division Management Certificate is designed to prepare students for employment within hotel management. The curriculum will prepare students to perform general hotel duties, including managing the front office, as well as understanding information technology specific to hotel accounting, finance, marketing and management. There will also be a focus on the functions of housekeeping within the hotel industry. Students will receive an introduction to managing housekeeping principles, including the latest concepts and practices. This certificate is upward compatible with the Hospitality and Tourism Management A.S. degree.

Required Courses   30 Credits

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	1410	Front Office Management	3 Credits
HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
HFT	2220	Hospitality Human Resource Management & Legal Aspects	3 Credits
HFT	2441	Information Technology in Hotel Management	3 Credits
HFT	2450	Hospitality Cost Controls and Budgeting	3 Credits
HFT	1300	Executive Housekeeping	3 Credits
HFT	2210	Hospitality Management and Leadership	3 Credits
OST	2335C	Business Communication	3 Credits

Any HFT or FSS prefix course

3 Credits

Any HFT1### course

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	1300	Executive Housekeeping	3 Credits
HFT	1410	Front Office Management	3 Credits

Any HFT2### course

HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
HFT	2210	Hospitality Management and Leadership	3 Credits
HFT	2220	Hospitality Human Resource Management & Legal Aspects	3 Credits
HFT	2261	Advanced Restaurant Management	3 Credits
HFT	2264	Catering and Banquet Organization	3 Credits
HFT	2265	Principles of Restaurant Management	3 Credits
HFT	2441	Information Technology in Hotel Management	3 Credits
HFT	2450	Hospitality Cost Controls and Budgeting	3 Credits
HFT	2461	Revenue Management	3 Credits
HFT	2500	Hospitality Sales and Marketing	3 Credits
HFT	2650	Franchising and Multi-Unit Management	3 Credits

HFT	2750	Wedding, Event and Meeting Management	3 Credits
HFT	2930	Selected Studies in Hospitality Management	3 Credits
HFT	2931	Selected Studies in Hospitality Management	1 Credits
HFT	2932	Selected Studies in Hospitality Management	2 Credits
HFT	2941	Internship in Hospitality	1 Credits
HFT	2942	Internship in Hospitality	2 Credits
HFT	2949	Internship in Hospitality	3 Credits
HFT	2950	Travel Study in Hospitality Management	3 Credits

Any FSS1### course

Any FSS2### course

FSS	2130	Supply and Procurement	3 Credits

Total Credits: 30

Rooms Division Operations Technical Certificate

Major Code: RMDIVOP-CC CIP: 0252090406

Program Description

The Rooms Division Operations certificate is designed for students to develop a core understanding of the fundamentals of running the front office of a hotel. Students will explore real world scenarios that will acquaint them with the operations of all the departments within a hotel. Understanding the concepts of selling rooms and serving guests will be prominently featured throughout the program. This certificate is upward compatible with the Hospitality and Tourism Management A.S. degree.

Required Courses   19 Credits

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
HFT	2210	Hospitality Management and Leadership	3 Credits
HFT	2441	Information Technology in Hotel Management	3 Credits

HFT	2450	Hospitality Cost Controls and Budgeting	3 Credits

Choose one course:

3 Credits

HFT	1410	Front Office Management	3 Credits
HFT	1300	Executive Housekeeping	3 Credits

Any HFT or FSS prefix course

1 Credits

Any HFT1### course

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	1300	Executive Housekeeping	3 Credits
HFT	1410	Front Office Management	3 Credits

Any HFT2### course

HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
HFT	2210	Hospitality Management and Leadership	3 Credits
HFT	2220	Hospitality Human Resource Management & Legal Aspects	3 Credits
HFT	2261	Advanced Restaurant Management	3 Credits
HFT	2264	Catering and Banquet Organization	3 Credits
HFT	2265	Principles of Restaurant Management	3 Credits
HFT	2441	Information Technology in Hotel Management	3 Credits
HFT	2450	Hospitality Cost Controls and Budgeting	3 Credits
HFT	2461	Revenue Management	3 Credits
HFT	2500	Hospitality Sales and Marketing	3 Credits
HFT	2650	Franchising and Multi-Unit Management	3 Credits
HFT	2750	Wedding, Event and Meeting Management	3 Credits
HFT	2930	Selected Studies in Hospitality Management	3 Credits
HFT	2931	Selected Studies in Hospitality Management	1 Credits

HFT	2932	Selected Studies in Hospitality Management	2 Credits
HFT	2941	Internship in Hospitality	1 Credits
HFT	2942	Internship in Hospitality	2 Credits
HFT	2949	Internship in Hospitality	3 Credits
HFT	2950	Travel Study in Hospitality Management	3 Credits

Any FSS1### course

Any FSS2### course

FSS	2130	Supply and Procurement	3 Credits

Total Credits: 19

Rooms Division Specialist Technical Certificate

Major Code: RMDIVSP-CC CIP: 0252090405
Program Description

The Rooms Division Specialist certificate provides students with the basic skills and practice to work within the hotel industry. The curriculum will cover topics related to performing general hotel duties, managing the front office, developing customer service skills as well as developing communication and human relations skills. This certificate is upward compatible with the Hospitality and Tourism Management A.S. degree.

Required Courses   13 Credits

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	1410	Front Office Management	3 Credits
HFT	1300	Executive Housekeeping	3 Credits
HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits

Any HFT or FSS prefix course

1 Credits

Any HFT1### course

HFT	1000	Introduction to Hospitality and Tourism Management	3 Credits
HFT	1300	Executive Housekeeping	3 Credits
HFT	1410	Front Office Management	3 Credits

Any HFT2### course

HFT	2008	Guest Services and Professionalism in Hospitality	3 Credits
HFT	2210	Hospitality Management and Leadership	3 Credits
HFT	2220	Hospitality Human Resource Management & Legal Aspects	3 Credits
HFT	2261	Advanced Restaurant Management	3 Credits
HFT	2264	Catering and Banquet Organization	3 Credits
HFT	2265	Principles of Restaurant Management	3 Credits
HFT	2441	Information Technology in Hotel Management	3 Credits
HFT	2450	Hospitality Cost Controls and Budgeting	3 Credits
HFT	2461	Revenue Management	3 Credits
HFT	2500	Hospitality Sales and Marketing	3 Credits
HFT	2650	Franchising and Multi-Unit Management	3 Credits
HFT	2750	Wedding, Event and Meeting Management	3 Credits
HFT	2930	Selected Studies in Hospitality Management	3 Credits
HFT	2931	Selected Studies in Hospitality Management	1 Credits
HFT	2932	Selected Studies in Hospitality Management	2 Credits
HFT	2941	Internship in Hospitality	1 Credits
HFT	2942	Internship in Hospitality	2 Credits
HFT	2949	Internship in Hospitality	3 Credits
HFT	2950	Travel Study in Hospitality Management	3 Credits

Any FSS1### course

Any FSS2### course

FSS	2130	Supply and Procurement	3 Credits

Total Credits: 13

Small Business Management Technical Certificate

Major Code: BSBM-CC CIP: 0552070101

Program Description

This program prepares students for the management and/or ownership of a small business. The content includes instruction in the planning, organizing, leading and controlling of a small business. Emphasis is placed on selected theories of small business management and decision-making and the knowledge and understanding necessary for managing people and functions. Students will be able to demonstrate knowledge of principles and practices of small business management including:

- Defining and understanding the basic management functions of planning, leadership, organizing, staffing and motivating a small business work team;
- Demonstrating an understanding of the fundamental legal issues facing small business owners;
- Describing and implementing an accounting system;
- Understanding and applying the principles of budgeting and cash management in the small business environment;
- Understanding the sources of financing available for the small business;
- Understanding how to advertise, market and sell products and services;
- Demonstrating an understanding of decision-making, evaluation and the importance and mechanics of writing a business plan;
- Evaluating the advantages and disadvantages of the three major forms of business ownership (sole proprietorship, partnership and corporation); and
- Understanding the challenges of family or home-based businesses.

This certificate is upward compatible with the A.S. degree, Business Administration and the A.S. degree, Entrepreneurship and Business Management.

Required Courses   21 Credits

ENT	2172	Opportunity Analysis and Franchising	3 Credits
GEB	1011	Introduction to Business	3 Credits
GEB	2112	Entrepreneurship	3 Credits
MAR	2760	Entrepreneurial Marketing and Professional Selling	3 Credits
SBM	2000	Small Business Management	3 Credits

Choose one course:

ACG	2021	Principles of Financial Accounting	3 Credits
APA	1111C	Office Accounting I	3 Credits

Choose one course:

BUL	2240	Legal Issues for Small Businesses	3 Credits
BUL	2241	Business Law I	3 Credits

Elective Courses   3 Credits

Choose one course from the following list:

APA	1112C	Office Accounting II Using QuickBooks	3 Credits
CGS	2100C	Computer Applications	3 Credits
ENT	2931	Selected Studies in Entrepreneurship	1 Credits
FIN	2001	Business Finance	3 Credits
FIN	2100	Personal Finance	3 Credits
GEB	2350	Global Business	3 Credits
GEB	2955	Travel Study in Business	3 Credits
GEB	2930	Selected Studies in Business	3 Credits
GEB	2931	Selected Studies in Business	1 Credits
MAN	2300	Human Resources Management	3 Credits
MAN	2941	Internship in Business	1 Credits
MAN	2942	Internship in Business	2 Credits
MAN	2949	Internship in Business	3 Credits
MKA	2021	Principles of Selling	3 Credits
MAR	2011	Marketing	3 Credits
MAR	2141	Global Marketing	3 Credits

Total Credits: 24

Supply Chain Management Technical Certificate

Major Code: SCMGT-CC CIP: 0652020901

Program Description

This program is designed to prepare students for initial employment in an occupation within the broad range of Supply Chain Management disciplines, or to provide supplemental training for persons currently employed with this field. The content includes, but is not limited to, related business and accounting practices such as standard operating procedures, negotiation techniques, planning, organizing, logistical concepts, purchasing and inventory control theory and techniques. Emphasis is placed on the development of business and managerial skills necessary for the efficient and effective performance of all operations within an organization's supply chain.

Required Courses   18 Credits

MAN	2500	Operations Management	3 Credits
TRA	2010	Transportation and Logistics	3 Credits
TRA	2230	Warehouse Management	3 Credits
MAN	2043	Quality Management	3 Credits
TRA	2131	Purchasing Management	3 Credits
MNA	2216	Inventory Management	3 Credits

Total Credits: 18

Correctional Officer Training to Florida Law Enforcement Academy Career Certificate

Major Code: COTLE-VC CIP: 0743010702

Program Description

This program prepares state certified correctional officers to receive the Cross-Over Corrections to Law Enforcement Certificate that is required before taking the state certification test to obtain a position as a law enforcement officer in Florida. This program is approved by the Criminal Justice Standards and Training Commission (CJSTC) and the Florida Department of Law Enforcement (FDLE).

Effective July 1, 2022, section 943.17(1)(g), Florida Statute states: "...a person is not required to take the basic skills examination and assessment instrument before entering a law enforcement officer basic recruit training program if he or she is a veteran as defined in s.101(14) with an honorable discharge or holds an associate degree or higher from an accredited college or university."

Total program hours: 518

Required Courses

CJK	0002	Introduction to Law Enforcement	12 Hours
CJK	0016	Communications	24 Hours
CJK	0018	Legal	64 Hours
CJK	0019	Interviewing and Report Writing	56 Hours
CJK	0063	Fundamentals of Patrol	40 Hours
CJK	0021	Serving Your Community	34 Hours
CJK	0072	Crimes Against Persons	48 Hours
CJK	0073	Crimes Involving Property and Society	12 Hours
CJK	0079	Crime Scene Follow-up Investigations	34 Hours
CJK	0400	Traffic Incidents	12 Hours
CJK	0401	Traffic Stops	24 Hours
CJK	0402	Traffic Crash Investigations	30 Hours
CJK	0403	DUI Traffic Stops	24 Hours
CJK	0093	Critical Incidents	44 Hours
CJK	0393	Cross-Over Program Updates	8 Hours
CJK	0020	Vehicle Operations	48 Hours
CJK	0421	Conducted Electrical Weapons (CEW)/Dart-Firing Stun Gun	4 Hours

Total Hours: 518

Cross-over: Law Enforcement Officer to Corrections

Career Certificate

Major Code: LETCO-VC CIP: 0743010205
Program Description

This program prepares certified law enforcement officers to become certified corrections officers without having to attend the entire corrections academy. It prepares students for the State Certification Examination for Corrections Officers approved by the Florida Department of Law Enforcement Standards and Training Commission.

Total program hours: 198

Required Courses

CJK	0300	Introduction to Corrections	32 Hours
CJK	0305	Communications	40 Hours
CJK	0310	Officer Safety	16 Hours
CJK	0315	Facility and Equipment	8 Hours
CJK	0320	Intake and Release	18 Hours
CJK	0325	Supervising in a Correctional Facility	40 Hours
CJK	0330	Supervising Special Populations	20 Hours
CJK	0335	Responding to Incidents and Emergencies	16 Hours
CJK	0393	Cross-Over Program Updates	8 Hours
		Total Hours: 198	

Crossover from Correctional Probation Officer to Law Enforcement Officer Career Certificate

Major Code: CPTLE-VC CIP: 0743010703
Program Description

This program prepares state certified correctional probation officers to receive the Crossover from Correctional Probation Officer to Law Enforcement Officer Certificate that is required before taking the state certification test to obtain a position as a law enforcement officer in Florida. This program is approved by the Criminal Justice Standards and Training Commission (CJSTC) and the Florida Department of Law Enforcement (FDLE).

Total program hours: 532

Required Courses

CJK	0016	Communications	24 Hours
CJK	0018	Legal	64 Hours
CJK	0040	Firearms	80 Hours
CJK	0063	Fundamentals of Patrol	40 Hours
CJK	0021	Serving Your Community	34 Hours
CJK	0072	Crimes Against Persons	48 Hours
CJK	0073	Crimes Involving Property and Society	12 Hours
CJK	0079	Crime Scene Follow-up Investigations	34 Hours
CJK	0093	Critical Incidents	44 Hours
CJK	0400	Traffic Incidents	12 Hours
CJK	0401	Traffic Stops	24 Hours
CJK	0402	Traffic Crash Investigations	30 Hours
CJK	0403	DUI Traffic Stops	24 Hours
CJK	0020	Vehicle Operations	48 Hours
CJK	0394	CPO: Crossover Program Updates	10 Hours
CJK	0421	Conducted Electrical Weapons (CEW)/Dart-Firing Stun Gun	4 Hours
		Total Hours: 532	

Fire Academy
Career Certificate

Major Code: FIRE-VC CIP: 0743020304
Program Description

The Firefighting Academy is designed to satisfy Bureau of Fire Standards program requirements for Professional Firefighter Certification. Students will receive a wide range of classroom and hands-on training that includes live fire training, vehicle extrication, ladder and fire hose operations, search and rescue, hazardous materials response, forcible entry, ventilation operations and fire detection, suppression practices, mental health awareness, cancer prevention for firefighters and active shooter training.

This program is **only designed for students who have either **completed an EMT program, are currently **certified as an EMT,** or are currently enrolled in or have **completed an EMT program** at **another institution.****

Applicants must attend a mandatory Fire Academy information session to receive an application packet. Upon selection to move forward in the process, applicants are required to attend a mandatory orientation session to receive additional information prior to the start of the program. Fingerprint and background checks will be completed by the Florida Department of Law Enforcement.

A minimum overall grade of (70 percent) is required for successful completion of the Fire Academy program; however, a minimum grade of (80 percent) is required for all written exams. Successful completion will allow the graduate to be considered eligible to test for the State of Florida Minimum Fire Standards Firefighter 2 Certification exam. Day and night classes are available.

Total program hours: 492

Program Admission
This is a limited-access program. Program staff will determine candidate selection.

Candidates must:
- Have successfully completed an EMT-B or Paramedic program prior to the start of the Fire Academy;
- Attend mandatory Fire Academy information and orientation session;
- Apply and be accepted to Seminole State College as a student;
- Submit a completed Fire Academy application packet;
- Submit proof of age (minimum 18 years of age);
- Complete a physical medical exam (Forms to be provided during orientation session);
- Physical agility exam may be required (Scheduling will be completed during information session);
- Complete a Fire Academy non-tobacco use affidavit (Forms to be provided during

orientation session);
- Complete a Fire Academy drug screening (Forms to be provided during orientation session);
- Complete a Fire Academy background check (Forms to be provided during orientation session)

Firefighting training and certification:

All fire academy training will comply with Florida State Statute 633.408, Firefighter and volunteer firefighter training and certification.

Qualifications for Certification:

All students applying for certification as a firefighter must comply with Florida State Statute 633.412, Firefighters; Qualifications for certification. These qualifications will be discussed at all information sessions.

Required Courses

FFP	0027	Fire Standards Part 1	164 Hours
FFP	0028	Fire Standards Part 2	164 Hours
FFP	0029	Fire Standards Part 3	164 Hours

Total Hours: 492

Fire Academy/EMT Combined Career Certificate
Major Code: FIREMT-VC CIP: 0743020313
Program Description
The Fire Academy/EMT combined program is designed to satisfy the Florida Bureau of Fire Standards and Training program requirements for Professional Firefighter Certification, the U.S. Department of Transportation's National basic EMT Standard and the Florida Department of Health Bureau of Emergency Medical Services for EMT curriculum.

This program is **only available for **entry-level students who have **not previously attended any EMT or Firefighter training** and who need to complete all requirements to become a Florida State Firefigher.****

Applicants must attend a mandatory EMT information session to receive an application packet. Upon selection to move forward in the process, applicants are required to attend a mandatory orientation session to receive additional information prior to the start of the program. Fingerprint and background checks will be completed by the Florida Department of Law Enforcement. Once in the EMT program, students must also attend a mandatory Fire Academy information session to start the selection process.

Students will receive a wide-range of classroom and hands-on training that is designed to prepare students for employment as a career Firefighter/EMT in the State of Florida.

The EMT curriculum provides classroom, laboratory and clinical training. EMS practical skills laboratory includes application practice and performance evaluation in simulated patient care. The clinical application provides patient care opportunities with in-hospital settings and pre-hospital emergency care providers such as fire departments and local ambulance services. A minimum overall grade of (80 percent) is required for successful completion of all EMT program curriculum.

The Firefighting Academy curriculum provides a wide range of classroom and hands-on training that includes live fire training, vehicle extrication, ladder and fire hose operations, search and rescue, hazardous materials response, forcible entry, ventilation operations, fire detection suppression practices, mental health awareness, cancer prevention and active shooter training. A minimum overall grade of (70 percent) is required for successful completion of the Fire Academy program. However, a minimum grade of (80 percent) is required for all written exams.

Successful completion of both the EMT and Fire Academy requirements will allow the graduate to be considered eligible to test for the basic EMT licensure exams and the State of Florida Minimum Fire Standards Firefighter 2 Certification. Day and night classes are available.

Total program hours: 792

Admission Requirements:

This is a limited-access program. Program staff will determine candidate selection.

Candidates must:
- Attend mandatory EMT information and orientation session;
- Apply and be accepted to Seminole State College;
- Submit a completed Fire/EMT Program Application Form;
- Submit proof of age (minimum 18 years of age);
- Complete or be exempt from the Postsecondary Education Readiness (PERT) and (TABE) test;
- Complete EMT drug screening (Forms to be provided during orientation session);
- Complete EMT background check (Forms to be provided during orientation session);
- Attend a mandatory Fire Academy information and orientation session;
- Submit a completed Fire Academy application packet;
- Complete a physical medical exam (Forms to be provided during orientation session);
- Physical agility exam may be required (Scheduling will be completed during information session).
- Complete a Fire Academy non-tobacco use affidavit (Forms to be provided during orientation session);
- Complete a Fire Academy drug screening (Forms to be provided during orientation session);
- Complete a Fire Academy background check (Forms to be provided during orientation session);
- Students must have successfully completed the EMT curriculum prior to starting the Fire Academy.

Firefighting training and certification:

All fire academy training will comply with Florida State Statute 633.408, Firefighter and volunteer firefighter training and certification.

Qualification for Certification:

All students applying for certification as a firefighter must comply with Florida State Statute 633.412, Firefighters; Qualification for certification. These qualifications will be discussed at all Fire Academy information sessions.

Required Courses

Emergency Medical Technician (EMT)

EMS courses are college credit courses embedded in a career certificate.

EMS	1119	Emergency Medical Technician	126 Hours
EMS	1119L	EMT Laboratory	84 Hours
EMS	1431	EMT Clinical	90 Hours

Fire Academy

FFP	0027	Fire Standards Part 1	164 Hours
FFP	0028	Fire Standards Part 2	164 Hours
FFP	0029	Fire Standards Part 3	164 Hours

Total Hours: 792

Florida Law Enforcement Academy Career Certificate

Major Code: LAW-VC CIP: 0743010700
Program Description
This Florida Law Enforcement Academy program prepares students to receive a Basic Police Standards Certificate that is required to become eligible to take the State Certification Test to obtain a position as a police officer in Florida.

This program is approved by the Criminal Justice Standards and Training Commission (CJSTC) and the Florida Department of Law Enforcement (FDLE). Admission requirements and selection criteria may be obtained from the College's Admissions Office.

This is a limited-access program. Candidates must:
- Apply and be accepted to Seminole State College;
- Be at least 19 years of age;
- Provide an official transcript(s) indicating successful completion of a standard high school diploma or equivalent;
- Submit a completed Law Enforcement/ Corrections/Crossover application;
- Have a valid Florida driver's license;
- Have no felony convictions;
- Have no Misdemeanor convictions involving perjury, false statements, moral turpitude or Domestic Violence;
- Be a U.S. Citizen;
- Have been honorably discharged from the Military service (DD214);
- Complete the CJBAT (Criminal Justice Basic Abilities Test) and receive a score of "Pass"
  - Effective July 1, 2022, section 943.17(1)(g), Florida Statute states: "...a person is not required to take the basic skills examination and assessment instrument before entering a law enforcement officer basic recruit training program if he or she is a veteran as defined in s.101(14) with an honorable discharge or holds an associate degree or higher from an accredited college or university."

Priority admission may be given to applicants based on a review of the following areas:
- Education level
- Law enforcement experience
- Military experience
- Driving history/ Criminal history
- Drug use
- Tentative offer of employment

Total program hours: 770

Required Courses

CJK	0002	Introduction to Law Enforcement	12 Hours
CJK	0016	Communications	24 Hours
CJK	0018	Legal	64 Hours
CJK	0019	Interviewing and Report Writing	56 Hours
CJK	0020	Vehicle Operations	48 Hours
CJK	0021	Serving Your Community	34 Hours
CJK	0031	First Aid for Criminal Justice Officers	40 Hours
CJK	0040	Firearms	80 Hours

CJK	0051	Criminal Justice Defensive Tactics	80 Hours
CJK	0063	Fundamentals of Patrol	40 Hours
CJK	0072	Crimes Against Persons	48 Hours
CJK	0073	Crimes Involving Property and Society	12 Hours
CJK	0079	Crime Scene Follow-up Investigations	34 Hours
CJK	0093	Critical Incidents	44 Hours
CJK	0096	Criminal Justice Physical Fitness	60 Hours
CJK	0400	Traffic Incidents	12 Hours
CJK	0401	Traffic Stops	24 Hours
CJK	0402	Traffic Crash Investigations	30 Hours
CJK	0403	DUI Traffic Stops	24 Hours
CJK	0421	Conducted Electrical Weapons (CEW)/Dart-Firing Stun Gun	4 Hours

Total Hours: 770

Traditional Correctional Basic Recruit Training Program
Career Certificate
Major Code: CRECT-VC CIP: 0743010200
Program Description

The Correctional Officer Program includes theory and application for those who wish to work in correctional facilities in Florida. Students successfully completing this program are prepared to take the State Certification Exam administered by the Florida Department of Law Enforcement. This is a limited-access program.

Candidates must:
- Apply and be accepted to Seminole State College;
- Be at least 19 years of age;
- Provide an official transcript(s) indicating successful completion of a standard high school diploma or equivalent;
- Submit a completed Law Enforcement/ Corrections/Crossover application;
- Have a valid Florida driver's license;

- Have no felony or misdemeanor convictions involving perjury, false statements, or moral turpitude;
- Complete the CJBAT (Criminal Justice Basic Abilities Test) and receive a score of "Pass"; and
- Successfully complete a physical fitness assessment.

Priority admission will be given to applicants based on a review of the following areas:
- Education level
- Law enforcement experience
- Military experience
- Driving history
- Criminal history
- Drug use

These areas will be assessed based on a rubric which measures applicant's performance in each area.

Total program hours: 420

Required Courses

CJK	0031	First Aid for Criminal Justice Officers	40 Hours
CJK	0040	Firearms	80 Hours
CJK	0051	Criminal Justice Defensive Tactics	80 Hours
CJK	0300	Introduction to Corrections	32 Hours
CJK	0305	Communications	40 Hours
CJK	0310	Officer Safety	16 Hours
CJK	0315	Facility and Equipment	8 Hours
CJK	0320	Intake and Release	18 Hours
CJK	0325	Supervising in a Correctional Facility	40 Hours
CJK	0330	Supervising Special Populations	20 Hours
CJK	0335	Responding to Incidents and Emergencies	16 Hours
CJK	0340	Officer Wellness and Physical Abilities	30 Hours

Total Hours: 420

School of Construction, Design, Engineering, and Information Technologies

Bachelor of Applied Science

- Interior Design

Bachelor of Science

- Construction
- Engineering Technology
- Information Systems Technology

Certificate of Professional Preparation

- Project Management

Associate in Science

- Architectural Engineering Technology
- Computer Programming and Analysis
- Computer-Aided Drafting and Design
- Construction Management
- Digital Media
- Engineering Technology
- Industrial Technology Management
- Information Systems Technology
- Interior Design

Associate of Applied Science

- Automotive Engineering Technology

Technical Certificate

- Advanced Computer-Aided Design
- Animation and Visual Effects
- Associate Project Management
- Automation
- Automotive Maintenance and Light Repair
- Automotive Technician
- Building Construction Technology
- Computer Aided Design
- Computer Programming
- Computer Programming Specialist
- Computer Repair and Installation
- Cybersecurity
- Digital Media Content Developer
- Digital and Interactive Media Design
- Engineering Technology Support Specialist
- Graphic Design Content Developer
- Graphic Design Production Artist
- IT Client Specialist Certificate
- Information Technology Analysis
- Mechatronics
- Network Infrastructure
- Network Server Administration
- Network Support Technician
- Residential Staging Specialist
- Social Media Development
- Sustainability
- Virtualization and Cloud Computing
- Web Development

Career Certificate

- Automotive Fundamentals
- Building Trade Technologies
- Construction Apprenticeship Fire Sprinkler System Technology
- Electrician Helper
- Heating, Ventilation, Air Conditioning/ Refrigeration (HVAC/R)
- Heating, Ventilation, Air Conditioning/ Refrigeration Technology I (HVAC/R)
- Heating, Ventilation, Air Conditioning/ Refrigeration Technology II (HVAC/R)
- Plumbing
- Welding Technologies

(Gen Ed Core) Denotes that a class is a State of Florida General Education Core Course.

Beginning in the 2022-23 academic year and thereafter, students entering associate in arts, associate in science or associate in applied science, or baccalaureate degree programs must complete at least one (1) course from each of the general education subject areas listed in this section prior to the awarding of their degree. Please refer to this catalog's Graduation Requirements section for specific requirements on the General Education Core Courses .

(Civic Lit) Denotes that a class counts toward the course Civic Literacy Requirement.

The State of Florida requires that all students graduating from Seminole State College of Florida and other institutions in the Florida College System (FCS), as well as from any State University System (SUS) institution, fulfill a Civic Literacy Competency requirement prior to submitting an Intent to

Graduate form in the term they plan to graduate. Requirements vary based on admit term and program. Please refer to this catalog's Graduation Requirements section for specific requirements on the Civic Literacy Proficiency Requirement.

Foreign Language Proficiency

Per Florida Statute 1007.25, "Beginning with students initially entering a Florida College System institution or state university in 2014-2015 and thereafter, coursework for an associate in arts degree shall include demonstration of competency in a foreign language." Please refer to this catalog's Graduation Requirements section for specific requirements on Foreign Language Proficiency.

Students enrolled in Seminole State College's baccalaureate degree programs must demonstrate foreign language proficiency. Students who have previously received a baccalaureate degree from a regionally accredited institution are exempt from this requirement. Please refer to this catalog's Graduation Requirements section for specific requirements on Foreign Language Proficiency.

Interior Design
Bachelor of Applied Science
Major Code: INTD-BAS CIP: 1105004083
Program Description
Seminole State's Bachelor of Applied Science in Interior Design prepares students toward a path to licensure and a professional career in the field. This comprehensive curriculum combines the concepts and philosophies of the social sciences with courses in designing for diverse populations as well as emerging trends in the industry. Advanced technical skills required to communicate with the design profession, such as space planning and lighting will also be emphasized. The degree will culminate in a capstone healthcare project and portfolio of work. Students will also be exposed to the professional industry through internship opportunities.

Having obtained skills critical to the industry, graduates of this program will be able to work in a wide variety of design occupations that range from commercial design (corporate, healthcare, retail, hospitality, government facilities, education and real estate) to residential design. Upon completion of the B.A.S. Interior Design and two years of work experience under a licensed interior designer or architect, graduates are eligible to take the National Council for Interior Design Qualification (NCIDQ) examination for state licensure. The NCIDQ examination will test an interior designer's ability to protect health, safety and welfare through the competent practice of interior design. Interior designers work closely with architects, engineers and general contractors in a wide array of settings.

Program Admission
Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an associate's degree, bachelor's degree (or higher) from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the department review committee.
- A GPA of 2.0 or higher

Program Progression Requirements:
An Associate in Science (A.S.) degree in Interior Design (CIP 1450040801) from a regionally accredited Florida institution satisfies the Interior Design Technical Foundation program prerequisite requirements detailed in the Bachelor of Applied Science (B.A.S.) Interior Design degree program for both admissions and graduation requirements. The program must also be approved by the Florida Board of Architecture and Interior Design.

Contact Admissions at 407.708.4550 if you have additional questions about applying to the program.

Profession
Interior designers are qualified by education, experience and professional licensure to enhance an environment's function, safety and overall appeal. The professional interior designer is integral in the planning, design and construction of today's complex built environments and collaborates with architects, engineers, general contractors and other professionals.

Career Opportunities
Interior design is among the fastest-growing occupations in the region, with projected growth of 20 percent over the next decade. Students with a bachelor's degree in interior design can pursue careers in:

- "Aging-in-Place" Design
- Barrier-Free/Universal Design
- Commercial Interior Design
- Facilities/Project Management
- Government/Institutional Design
- Healthcare/Assisted Living Facilities Design
- Hospitality/Entertainment Design
- Kitchen/Bath Design
- Residential Interior Design
- Retail Design/Visual Merchandising/Exhibit Design
- Sales/Manufacturer Representative
- Space Planning/Specification
- Sustainable/Environmental Design

Interior Design Foundation   51 Credits

An Associate in Science (A.S.) Interior Design from a regionally accredited Florida institution satisfies the Interior Design Technical foundation program pre-requisite requirements. The program must also be approved by the Florida Board of Architecture and Interior Design. All Technical foundation courses must be completed with a grade of "C" or higher.

Interior Design Required Technical Foundation Courses 39 Credits

Interior Design Technical Foundation courses must be completed with a grade of "C" or higher.

ETD	1320C	Computer-Aided Design I	3 Credits
IND	1100	History of Architecture and Design I	3 Credits
IND	1233C	Studio I: Interior Design Fundamentals	3 Credits
IND	1404C	Technical Design	3 Credits
IND	1422	Interior Finishes and Textiles	3 Credits
IND	1935	Building Codes and Accessibility	3 Credits
IND	2012C	Studio II: Residential Interior Environments	3 Credits
IND	2016C	Studio III: Introduction to Commercial Design	3 Credits
IND	2130	History of Architecture and Design II	3 Credits
IND	2221C	Studio IV: Advanced Commercial Design	3 Credits
IND	2461	Building Systems	3 Credits
IND	2500	Professional Principles and Practices of Interior Design	3 Credits
IND	2622	Sustainability in the Built Environment	3 Credits

Interior Design Required Support Courses 12 Credits

Interior Design Required Support courses must be completed with a grade of "C" or higher.

IND	2321	Design Theory	3 Credits
IND	2307C	Visual Communication	3 Credits
IND	2462	Revit for Interior Applications	3 Credits

IND	2484C	Construction Documents	3 Credits

Required Courses 18 Credits

Interior Design Required courses must be completed with a grade of "C" or higher.

IND	3245C	Studio V	3 Credits
IND	3413	Space Planning	3 Credits
IND	3495	Lighting Design Applications	3 Credits
IND	4242C	Studio VI	3 Credits
IND	4520	Senior Portfolio for the Interior Designer	1 Credits
IND	4274	Design for Diverse Populations	3 Credits

Choice of IND 4949 or IND 4948 Senior Interior Design Internship 2 Credits

IND	4948	Senior Interior Design Internship	2 Credits
IND	4949	Senior Interior Design Internship	1 Credits

Elective Courses 15 Credits

All students admitted into the BAS will need to take six credits of electives as part of the BAS degree. Credits from previous electives taken in the AS degree will not be duplicated. Choose from the list below.

Design and Art Electives

ARC	1301C	Architectural Design	3 Credits
IND	2150	Historic Preservation	3 Credits
IND	2290	Autism and the Built Environment	3 Credits
IND	2442	Furniture Design	3 Credits
IND	2514	Public Relations in Interior Design	3 Credits
IND	3323	Advanced Color Theory	3 Credits
IND	3643	Advanced Building Codes and Accessibility	3 Credits
IND	3930	Advanced Selected Studies in Interior Design	3 Credits
IND	3950	Advanced Travel Study in Architecture and Interior Design	3 Credits
IND	3954	Advanced Service Learning Project	3 Credits

TPA	2180	Themed Environmental Design	3 Credits

Technology Electives

GRA	2151C	Digital Illustration	3 Credits
GRA	2201	Digital Imaging I	3 Credits
GRA	2121	Digital Publishing I	3 Credits
ETD	1340C	Computer-Aided Design II	3 Credits
ETD	2390	Revit I	3 Credits
ETD	2391	Revit II	3 Credits

Building Construction Electives

BCN	1221	Introduction to Building Construction	3 Credits
BCN	1303C	Introduction to Building Information Modeling	3 Credits
BCN	2230	Construction Materials and Methods I	3 Credits

General Education Courses   36 Credits

Communication - Must take one Core Course
9 Credits

ENC	1101	English I (Gen Ed Core)	3 Credits
ENC	1102	English II	3 Credits
SPC	1608	Speech Communication	3 Credits

History General Education course
3 Credits

AMH	2010	United States History to 1865	3 Credits
AMH	2010H	Honors United States History to 1865	3 Credits
AMH	2020	United States History 1865 to Present (Gen Ed Core) (Civic Lit)	3 Credits
AMH	2020H	Honors United States History 1865 to Present (Gen Ed Core) (Civic Lit)	3 Credits
AMH	2035	The United States 1945 to Present	3 Credits

AMH	2070	History of Florida	3 Credits
AMH	2090	United States Women's History	3 Credits
AMH	2090H	Honors United States Women's History	3 Credits
AMH	2091	African American History	3 Credits
EUH	2000	Western Civilization to 1600	3 Credits
EUH	2000H	Honors Western Civilization to 1600	3 Credits
EUH	2001	Western Civilization 1600 to Present	3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present	3 Credits
HPS	2100H	Honors History Meets Science	3 Credits
LAH	2020	Latin American History	3 Credits
WOH	1022	World History Since 1500	3 Credits
WOH	2232	Survey of Early Christianity	3 Credits

Humanities - Must take one Core Course
6 Credits

Complete six credits in Humanities. Three credits must be taken from Area A and three credits must be taken from Area B. **Recommended for Area B: ARH 1000 satisfies core and CIDA requirement.**

ARH	1000	Art Appreciation (Gen Ed Core)	3 Credits

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities (Gen Ed Core)	3 Credits
HUM	2020H	Honors Experiencing the Humanities (Gen Ed Core)	3 Credits
HUM	2022H	Honors Liberal Arts Humanities	3 Credits
HUM	2220	Ancient/Classical Humanities	3 Credits
HUM	2223	Medieval Humanities	3 Credits
HUM	2232	Renaissance/Baroque Humanities	3 Credits
HUM	2234	18th and 19th Century Humanities	3 Credits

HUM	2250	20th/21st Century Humanities		3 Credits
HUM	2250H	Honors 20th/21st Century Humanities		3 Credits
HUM	2322	Women, Gender and Culture		3 Credits
HUM	2322H	Honors Women, Gender and Culture		3 Credits
HUM	2410	Asian Humanities		3 Credits
HUM	2410H	Honors Asian Humanities		3 Credits
HUM	2454	African American Humanities		3 Credits
HUM	2454H	Honors African American Humanities		3 Credits
HUM	2461	Latin American Humanities		3 Credits
HUM	2461H	Honors Latin American Humanities		3 Credits
HUM	2821	LGBTQ Studies in the Humanities		3 Credits
PHI	1630	Contemporary Ethical Problems		3 Credits
PHI	2010	Introduction to Philosophy I	(Gen Ed Core)	3 Credits
PHI	2010H	Honors Intro to Philosophy I	(Gen Ed Core)	3 Credits
REL	2300	Religions of the World		3 Credits

Mathematics - Must take one Core Course
6 Credits

Choose one course:
3 Credits

MAC	1105	College Algebra	(Gen Ed Core)	3 Credits
MGF	1106	College Mathematics	(Gen Ed Core)	3 Credits
MGF	1107	Liberal Arts Mathematics	(Gen Ed Core)	3 Credits

Choose one course:
3 Credits

Mathematics General Education course

MAC	1105	College Algebra	(Gen Ed Core)	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/ Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	(Gen Ed Core)	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	(Gen Ed Core)	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MGF	1106	College Mathematics	(Gen Ed Core)	3 Credits
MGF	1107	Liberal Arts Mathematics	(Gen Ed Core)	3 Credits
STA	2023	Statistical Methods I	(Gen Ed Core)	3 Credits
STA	2023H	Honors Statistical Methods I	(Gen Ed Core)	3 Credits

Social Science General Education courses
6 Credits

Courses must be taken from two different areas

Social Science (Area D):
3 Credits

POS	2041	U.S. Federal Government	(Gen Ed Core) (Civic Lit)	3 Credits
POS	2041H	Honors U.S. Federal Government	(Gen Ed Core) (Civic Lit)	3 Credits

Choose one course from Areas A, B, C, E or F:
3 Credits

Area A Anthropology

ANT	2000	General Anthropology	(Gen Ed Core)	3 Credits

ANT	2410	Introduction to Cultural Anthropology		3 Credits

Area B Economics

ECO	1000	Basic Economics		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2013H	Honors Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Area C Geography

GEA	1000	World Regional Geography		3 Credits
GEO	1200	Introduction to Physical Geography		3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior		3 Credits
CLP	2140	Abnormal Psychology		3 Credits
DEP	2004	Developmental Psychology		3 Credits
INP	2002	Introduction to Industrial Psychology		3 Credits
PPE	2001	Psychology - Introduction to Personality		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits
PSY	2012H	General Psychology Honors	Gen Ed Core	3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2000H	Honors Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2110H	Honors Introduction to Social Research		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYP	2512	Sociology of Deviance		3 Credits

Natural Science – Must take one Core Course

6 Credits

Courses must be taken from two different areas

Choose one course (Area B):

3 Credits

ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits

Choose one course from Area A or C:

3 Credits

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits

BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area C Physical Science

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits
PSC	2521	Sustainability: Concepts and Issues		3 Credits

Total Credits: 120

Construction
Bachelor of Science
Major Code: CONST-BS CIP: 1101510012
Program Description
Seminole State College's Bachelor of Science (B.S.)

in Construction leads to professional licensure as a general contractor (Certified GC and/or Building Contractor) in high-demand jobs. Seminole State prepares the student to manage projects from conception to completion with an emphasis on project management. Building construction principles taught in the classroom are enhanced through real-world applications.

For a full list of contractor licenses available in Florida and for information about licensure eligibility requirements, visit the State of Florida Department of Business and Professional Regulation.

Learning Opportunities:
- **Community involvement:** Students participate in local and international humanitarian service learning projects to give back to the community and abroad.
- **Project-based learning approach:** Curriculum incorporates real-world, project-based simulation and hands-on activities. Students simulate construction project management from blueprints to completion. Interdisciplinary projects with Engineering and Interior Design programs replicate collaboration in the industry.
- **Industry support:** Seminole State's Construction Advisory Board is highly involved in the program. Monthly industry-sponsored speaker series, roundtables and industry spotlight recruitment tabling events allow for students to network with professionals. Internships and job shadow opportunities with prominent companies are other ways the local construction industry supports the program.

Profession
Successful construction managers have excellent leadership skills and are able to plan and conduct operations for construction projects from design to occupancy. Typically, they work on major projects with design and construction professionals, optimizing the use of manpower and materials, solving problems and thinking creatively. Construction managers use clear communication, teamwork and organization skills. Construction managers, often called general contractors or

project managers, coordinate and supervise a wide variety of projects, including the building of all types of public, residential, commercial and industrial structures. Although most managers oversee construction projects from start to finish, some consult with developers and builders on construction related issues.

Career Opportunities
- Building/Construction Manager
- Construction Manager
- Cost Estimator
- General Contractor
- Permitting and Government Liaison
- Property, Real Estate and Community Association Manager
- Real Estate Developer
- Safety Inspector
- Safety Manager
- Scheduler
- Sustainable Construction Manager

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment of construction managers is projected to grow 16 percent from 2012 to 2022, faster than the average for all occupations (Source: Bureau of Labor Statistics). Construction managers will be needed as overall construction activity expands. Population and business growth will result in the construction of many new residences, office buildings, retail outlets, hospitals, schools, restaurants and other structures over the coming decade.

Program Admission
Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:
- Completion of an associate's degree, bachelor's degree (or higher) from a regionally accredited institution. Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and

determined by the department review committee.
- A GPA of 2.0 or higher.
- Program Progression Requirements:
  - An Associate in Science (A.S.) degree in any one of the regionally accredited Florida programs listed below satisfies the Construction Technical Foundation program prerequisite requirements detailed in the Bachelor of Science (B.S.) Construction degree program for both admissions and graduation requirements. Students with any other degree must complete the Construction Technical Foundation courses with a grade of "C" or higher before starting the upper division Construction Required Core Courses.
    - A.S., Architectural Design and Construction Technology (CIP 1615010100)
    - A.S., Building Construction Technology (CIP 1615100101)
    - A.S., Construction and Civil Engineering Technology (CIP 1615100102)
    - A.S., Construction Management (CIP 1646041201)
    - A.S., Construction Management (CIP 1646041200)

Prerequisite Courses   28 Credits

Construction Program Prerequisites

Courses must be completed with a "C" or higher. All Construction Program Prerequisites must be completed prior to starting Construction Upper Division Required Courses.

BCN	1221	Introduction to Building Construction	3 Credits
BCN	1270C	Graphic Communication in Construction	3 Credits
BCN	1303C	Introduction to Building Information Modeling	3 Credits
BCN	2230	Construction Materials and Methods I	3 Credits
BCN	2231	Construction Materials and	3 Credits

		Methods II	
BCN	2251C	Building Construction Documents	3 Credits
BCN	2721	Construction Scheduling and Planning	3 Credits
BCT	2770	Estimating Fundamentals	3 Credits
SUR	2101C	Surveying	4 Credits

Required Courses 37 Credits

Construction Required Core Courses

BCN	2405C	Applied Statics in Construction	3 Credits
BCN	3225C	Soil Mechanics and Foundations	3 Credits
BCN	3451C	Structures	3 Credits
BCN	3568C	MEPF Systems in Construction	4 Credits
BCN	3708	Construction Laws and Contracts	3 Credits
BCN	3724C	Advanced Construction Scheduling and Planning	3 Credits
BCN	3730	Construction Safety Management	3 Credits
BCN	4612C	Advanced Construction Estimating	3 Credits
BCN	4753	Construction Financing and Accounting Principles	3 Credits
BCN	4787C	Construction Capstone Project	6 Credits
BCN	4709C	Construction Project Management	3 Credits

Foundation Core and Elective Courses

23 Credits

Business & Management Foundation Core and Elective Courses:
12 Credits

Any BUL prefix course
3 Credits

Any BUL#### course

BUL	2240	Legal Issues for Small Businesses	3 Credits
BUL	2241	Business Law I	3 Credits
BUL	2242	Business Law II	3 Credits
BUL	2261	International Business Law	3 Credits
BUL	2560	Social Media, Its Environment, Rules and Regulations	3 Credits
BUL	2931	Selected Studies in Business Law	1 Credits
BUL	3130	Legal and Ethical Environments of Business	3 Credits

Any ACG or APA prefix course not already required
3 Credits

Any ACG#### course

ACG	2021	Principles of Financial Accounting	3 Credits
ACG	2071	Principles of Managerial Accounting	3 Credits
ACG	2100	Intermediate Accounting Fundamentals	3 Credits
ACG	2360	Cost Accounting	3 Credits
ACG	2931	Selected Studies in Accounting	1 Credits
ACG	2941	Internship in Accounting	1 Credits
ACG	2942	Internship in Accounting	2 Credits
ACG	2949	Internship in Accounting	3 Credits
ACG	3024	Accounting for Non-Financial Majors	3 Credits
ACG	3131	Intermediate Accounting I	3 Credits
ACG	3361	Intermediate Managerial Accounting	3 Credits

Any APA#### course

APA	2941	Internship in Accounting	1 Credits
APA	2942	Internship in Accounting	2 Credits
APA	2949	Internship in Accounting	3 Credits
MAN	2021	Introduction to Management	3 Credits
MTB	1329	Applied Mathematical Concepts for Engineering Technology	3 Credits

Electives: Any college credit course not already required or choose from

the specialization electives list below.

11 Credits

Exclusive of courses with a number beginning with zero or courses designated as non-transfer.

The Foundation Core courses may be counted in this electives area.

BCN	2272	Blueprint Reading	2 Credits
BCN	2320	Office Computer Applications for Contractors	3 Credits
BCN	2310C	Virtual Design and Construction (VDC) in Construction Estimating	3 Credits
BCN	2311C	Virtual Design and Construction (VDC) Planning and Scheduling	3 Credits
BCN	2313C	Virtual Design and Construction (VDC) Field Technologies	3 Credits
BCN	2312C	Virtual, Augmented, and Mixed Reality (VR/AR/MR) Technologies in Construction	3 Credits

General Education Courses   38 Credits

Communication - Must take one Core Course

9 Credits

ENC	1101	English I `Gen Ed Core`	3 Credits
ENC	1102	English II	3 Credits
SPC	1608	Speech Communication	3 Credits

History General Education course

3 Credits

AMH	2010	United States History to 1865	3 Credits
AMH	2010H	Honors United States History to 1865	3 Credits
AMH	2020	United States History 1865 to Present `Gen Ed Core` `Civic Lit`	3 Credits
AMH	2020H	Honors United States History 1865 to Present `Gen Ed Core` `Civic Lit`	3 Credits
AMH	2035	The United States 1945 to Present	3 Credits
AMH	2070	History of Florida	3 Credits

AMH	2090	United States Women's History	3 Credits
AMH	2090H	Honors United States Women's History	3 Credits
AMH	2091	African American History	3 Credits
EUH	2000	Western Civilization to 1600	3 Credits
EUH	2000H	Honors Western Civilization to 1600	3 Credits
EUH	2001	Western Civilization 1600 to Present	3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present	3 Credits
HPS	2100H	Honors History Meets Science	3 Credits
LAH	2020	Latin American History	3 Credits
WOH	1022	World History Since 1500	3 Credits
WOH	2232	Survey of Early Christianity	3 Credits

Humanities - Must take one Core Course

6 Credits

Three credits from Area A and three credits from Area B

Must take one core course. See options for this program below:

3 Credits

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities `Gen Ed Core`	3 Credits
HUM	2020H	Honors Experiencing the Humanities `Gen Ed Core`	3 Credits
PHI	2010	Introduction to Philosophy I `Gen Ed Core`	3 Credits

Artistic and Literary Humanities Area B

ARH	1000	Art Appreciation `Gen Ed Core`	3 Credits

Any humanities from the Area (A or B) previously not taken:

3 Credits

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2022H	Honors Liberal Arts Humanities		3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits
HUM	2232	Renaissance/Baroque Humanities		3 Credits
HUM	2234	18th and 19th Century Humanities		3 Credits
HUM	2250	20th/21st Century Humanities		3 Credits
HUM	2250H	Honors 20th/21st Century Humanities		3 Credits
HUM	2322	Women, Gender and Culture		3 Credits
HUM	2322H	Honors Women, Gender and Culture		3 Credits
HUM	2410	Asian Humanities		3 Credits
HUM	2410H	Honors Asian Humanities		3 Credits
HUM	2454	African American Humanities		3 Credits
HUM	2454H	Honors African American Humanities		3 Credits
HUM	2461	Latin American Humanities		3 Credits
HUM	2461H	Honors Latin American Humanities		3 Credits
HUM	2821	LGBTQ Studies in the Humanities		3 Credits
PHI	1630	Contemporary Ethical Problems		3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
REL	2300	Religions of the World		3 Credits

Artistic and Literary Humanities Area B

AML	2010	American Literature I		3 Credits
AML	2020	American Literature II		3 Credits
AML	2600	Survey of African American Literature		3 Credits
ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
ARH	2050	Art History I		3 Credits
ARH	2051	Art History II		3 Credits
ENG	2100	The Art of Film		3 Credits
ENG	2103	World Cinema		3 Credits
ENL	2012	British Literature I		3 Credits
ENL	2022	British Literature II		3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
LIT	2090	Contemporary Literature		3 Credits
LIT	2090H	Honors Contemporary Literature		3 Credits
LIT	2120	World Literature II		3 Credits
LIT	2120H	Honors World Literature II		3 Credits
MUH	2022	History of Rock Music		3 Credits
MUH	2026	Introduction to Blues and Jazz		3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
MUL	2014	Introduction to Music History and Literature		3 Credits
THE	1304	Script Analysis		3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits
THE	2239	The Development of African American Theatre		3 Credits

Mathematics General Education courses

6 Credits

ACCE requires that a minimum of 3 credits in mathematics must be

calculus-based.

STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
MAC	2233	Concepts of Calculus		3 Credits

Science General Education courses (Must be taken from two different areas)
8 Credits

ACCE requires physical and environmental sciences to be analytically based and not descriptive. Refer to Science Foundation program requirements.

Courses that satisfy the ACCE requirement include:

EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits

Social Science General Education courses
6 Credits

Social Science General Education Core course*

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Choose one: ECO 2013 or ECO 2023

ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits

Total Credits: 126

Engineering Technology
Bachelor of Science

Major Code: AET-BS CIP: 1101501011
Program Description
The Bachelor of Science (B.S.) in Engineering Technology program emphasizes the application of existing scientific and engineering techniques to solve real-world problems found in engineering settings. The program develops the student's knowledge and skills to plan, design, inspect, construct/fabricate, operate and maintain engineering systems, infrastructure and buildings.

Profession
Engineering Technology is one of the most exciting technical careers. Employment and job opportunities are strong. The business world needs people who can solve problems and get things done. This matches perfectly with Engineering Technology. Technologists apply engineering and scientific knowledge with technical skills to support engineering activities. They typically concentrate their activities on applied design using current engineering practice. Technologists play key roles on the engineering team: They are involved in product development, manufacturing, product assurance, sales and program management. They typically pursue careers in such areas as mechatronics and robotics, engineering production and design, engineering and project management, building systems design, surveying, GIS and civil and site development. For students who are problem-solvers and who have a "can do" spirit, Engineering Technology is a great choice.

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Career Opportunities
- Mechatronics & Robotics Engineering Technologist
- Engineering & Technology Project Manager
- Surveying and Mapping Technologist
- Civil Engineering Technologist
- Design Engineering Technologist
- Industrial & Manufacturing Manager
- Operations & Maintenance Manager

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment of engineering technologists is

projected to grow 15 percent from 2012 to 2022, faster than the average for all occupations. The median annual wage for engineering technologists was $80,890 in May 2012 (Source: Bureau of Labor Statistics). Per Forbes, A Bachelor of Science in Engineering Technology is ranked as the eighth highest paying degree for college graduates.

Program Admission

Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:

- Completion of an associate's degree or bachelor's degree from a regionally accredited institution.
- Students who have earned a minimum 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.0 or higher.
- Program Progression Requirements: Once admitted, students must achieve (or have achieved) a grade of "C" or higher in the following courses:
  - *Production & Design Specialization:*
    - ARC 1301 Architectural Design I
    - BCN 2230 Construction Materials and Methods
    - ETD 1340C Computer-Aided Design II
    - SUR 2101C Surveying

  - *Mechatronics & Robotics Specialization:*
    - ETI 1420C Materials & Processes for Engineering Tech
    - ETI 1843C Motors and Controls
    - ETM 1010C Mechanical Measurement & Instrumentation
    - ETM 2315C Hydraulic and Pneumatic Systems

  - *Engineering & Project Managment Specialization* (choose one group)*:*
    - ARC 1301 Architectural Design I
    - BCN 2230 Construction Materials and Methods

- ETD 1340C Computer-Aided Design II
- SUR 2101C Surveying
  Or

- ETI 1420C Materials & Processes for Engineering Tech.
- ETI 1843C Motors and Controls
- ETM 1010C Mechanical Measurement & Instrumentation
- ETM 2315C Hydraulic and Pneumatic Systems

- *All Specializations*
  - MAC 2233 Concepts of Calculus OR MAC 2311 Analytic Geometry and Calculus I or higher
  - PHY 1053C Physics I or higher
  - STA 2023 Statistical Methods OR MAC 2312 Analytic Geometry w/ Calculus II or higher

Required Courses   40 Credits

COP	1000	Principles of Computer Programming	3 Credits
EET	1015C	Fundamentals of DC Circuits	3 Credits
EET	1035C	Fundamentals of AC/DC Electricity	3 Credits
EGN	1007	Engineering Concepts and Methods	1 Credits
EGN	1111C	Engineering Graphics - Drawing	2 Credits
EGS	1006	Introduction to the Engineering Profession	1 Credits
ETD	1320C	Computer-Aided Design I	3 Credits
ETD	2364C	Introduction to SolidWorks	3 Credits
ETG	2502	Statics	3 Credits

ETG 2502 must be completed with a grade of "C" or higher.

ETG	3533C	Applied Engineering Strengths of Materials	3 Credits
ETG	4950	Senior Design Capstone	3 Credits
ETI	3671	Technical Economic Analysis	3 Credits
ETM	3331C	Applied Thermodynamics & Fluid Mechanics	3 Credits

| MAN | 3025 | Management of Organizations | 3 Credits |

Choose one course: MTB 1329 or MAC 1114 or higher level math

| MTB | 1329 | Applied Mathematical Concepts for Engineering Technology | 3 Credits |
| MAC | 1114 | Trigonometry | 3 Credits |

Or higher level math course

Engineering Technology Specializations 51 Credits

Choose from any of the following specializations:

Production and Design Specialization

Prerequisite Courses for the Specialization

ARC	1301C	Architectural Design	3 Credits
BCN	1221	Introduction to Building Construction	3 Credits
BCN	2230	Construction Materials and Methods I	3 Credits
BCN	2251C	Building Construction Documents	3 Credits
ETD	1340C	Computer-Aided Design II	3 Credits
SUR	2101C	Surveying	4 Credits

Required Specialization Courses

BCN	2313C	Virtual Design and Construction (VDC) Field Technologies	3 Credits
ETC	3270	Building Systems	3 Credits
ETC	4414C	Applied Structural Design I	3 Credits
ETD	2390	Revit I	3 Credits
ETD	2391	Revit II	3 Credits
ETD	3555	Applied Site and Survey Mapping	3 Credits
GIS	3015C	Introduction to GIS with Lab	3 Credits

Elective credits

11 Credits

Engineering and Project Management Specialization

Prerequisite courses: Choose Option A or Option B

Option A

ARC	1301C	Architectural Design	3 Credits
BCN	1221	Introduction to Building Construction	3 Credits
BCN	2230	Construction Materials and Methods I	3 Credits
BCN	2251C	Building Construction Documents	3 Credits
ETD	1340C	Computer-Aided Design II	3 Credits
SUR	2101C	Surveying	4 Credits

Elective credits

11 Credits

Option B

ETI	1420C	Materials and Processes for Engineering Technology	3 Credits
ETI	1843C	Motors and Controls	3 Credits
ETM	1010C	Mechanical Measurement and Instrumentation	3 Credits
ETM	2315C	Hydraulic and Pneumatic Systems	3 Credits
ETI	1701	Safety for Engineering Technologists	3 Credits
ETI	1110	Introduction to Quality	3 Credits
ETS	1535C	Automation and Sensors	3 Credits
ETS	1542C	Programmable Logic Controllers (PLCs)	3 Credits
ETS	2604	Robotics Applications	3 Credits

Elective credits

3 Credits

Required Specialization Courses

ETI	3442	Project Planning	3 Credits
ETI	3440	Project Management National Standards	3 Credits
ETI	3630	Leading Project Teams	3 Credits
ETI	4115	Project Quality and Risk Management	3 Credits

Choose 9 credits from any other BSET Specialization

Mechatronics and Robotics Specialization

Prerequisite courses for the Specialization

ETI	1110	Introduction to Quality	3 Credits
ETI	1420C	Materials and Processes for Engineering Technology	3 Credits
ETI	1701	Safety for Engineering Technologists	3 Credits
ETI	1843C	Motors and Controls	3 Credits
ETM	1010C	Mechanical Measurement and Instrumentation	3 Credits
ETM	2315C	Hydraulic and Pneumatic Systems	3 Credits
ETS	1535C	Automation and Sensors	3 Credits
ETS	1542C	Programmable Logic Controllers (PLCs)	3 Credits
ETS	2604	Robotics Applications	3 Credits

Required Specialization Courses

CDA	3100	Introduction to Computer Architecture	3 Credits
CET	4367	Microcontroller Devices	3 Credits
CIS	3360	Principles of Security	3 Credits
COP	2800	Programming in Java	3 Credits
COT	3103	Discrete Computational Analysis	3 Credits
ETI	4480	Applied Robotics	3 Credits
ETS	3608	Robotics	3 Credits

Elective credits

3 Credits

General Education Courses   37 Credits

Communication – Must take one Core Course
9 Credits

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits
SPC	1608	Speech Communication		3 Credits

Humanities – Must take one Core Course
6 Credits

Three credits from Area A and three credits from Area B

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits
HUM	2232	Renaissance/Baroque Humanities		3 Credits
HUM	2234	18th and 19th Century Humanities		3 Credits
HUM	2250	20th/21st Century Humanities		3 Credits
HUM	2250H	Honors 20th/21st Century Humanities		3 Credits
HUM	2322	Women, Gender and Culture		3 Credits
HUM	2322H	Honors Women, Gender and Culture		3 Credits
HUM	2410	Asian Humanities		3 Credits
HUM	2410H	Honors Asian Humanities		3 Credits
HUM	2454	African American Humanities		3 Credits
HUM	2454H	Honors African American Humanities		3 Credits

HUM	2461	Latin American Humanities		3 Credits
HUM	2461H	Honors Latin American Humanities		3 Credits
HUM	2821	LGBTQ Studies in the Humanities		3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
PHI	1630	Contemporary Ethical Problems		3 Credits
REL	2300	Religions of the World		3 Credits

Artistic and Literary Humanities Area B

AML	2010	American Literature I		3 Credits
AML	2020	American Literature II		3 Credits
AML	2600	Survey of African American Literature		3 Credits
ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
ARH	2050	Art History I		3 Credits
ARH	2051	Art History II		3 Credits
ENG	2100	The Art of Film		3 Credits
ENG	2103	World Cinema		3 Credits
ENL	2012	British Literature I		3 Credits
ENL	2022	British Literature II		3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
LIT	2090	Contemporary Literature		3 Credits
LIT	2090H	Honors Contemporary Literature		3 Credits
LIT	2120	World Literature II		3 Credits
LIT	2120H	Honors World Literature II		3 Credits
MUH	2022	History of Rock Music		3 Credits
MUH	2026	Introduction to Blues and Jazz		3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits

MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
MUL	2014	Introduction to Music History and Literature		3 Credits
THE	1304	Script Analysis		3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits
THE	2239	The Development of African American Theatre		3 Credits

Social Science and History - Must take one Core Course

9 Credits

Courses must be taken from three areas. Three credits must be taken from History

Social Science General Education Core course

6 Credits

Area A Anthropology

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits

Area B Economics

ECO	1000	Basic Economics		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2013H	Honors Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Area C Geography

GEA	1000	World Regional Geography		3 Credits
GEO	1200	Introduction to Physical Geography		3 Credits

Area D Political Science

CPO	1421	Politics, Society, and Islam	3 Credits
INR	2002	International Relations	3 Credits
INR	2002H	Honors International Relations	3 Credits
PAX	2000	Introduction to Peace Studies	3 Credits
POS	2041	U.S. Federal Government `Gen Ed Core` `Civic Lit`	3 Credits
POS	2041H	Honors U.S. Federal Government `Gen Ed Core` `Civic Lit`	3 Credits
POS	2112	State and Local Government	3 Credits
POT	2002	Political Theory	3 Credits
POT	2002H	Honors - Political Theory	3 Credits
POT	2301	Political Ideology - Introduction	3 Credits
PUP	2230	Energy and Environmental Policy	3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior	3 Credits
CLP	2140	Abnormal Psychology	3 Credits
DEP	2004	Developmental Psychology	3 Credits
INP	2002	Introduction to Industrial Psychology	3 Credits
PPE	2001	Psychology - Introduction to Personality	3 Credits
PSY	2012	General Psychology `Gen Ed Core`	3 Credits
PSY	2012H	General Psychology Honors `Gen Ed Core`	3 Credits
PSY	2602	The Evolution of Modern Psychology	3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology `Gen Ed Core`	3 Credits
SYG	2000H	Honors Introduction to `Gen Ed Core`	3 Credits

Sociology

SYG	2010	Social Problems	3 Credits
SYG	2110H	Honors Introduction to Social Research	3 Credits
SYG	2230	Race and Ethnic Relations	3 Credits
SYG	2311	Introduction to Conflict Studies	3 Credits
SYG	2340	Human Sexuality	3 Credits
SYG	2430	Marriage and the Family	3 Credits
SYP	2512	Sociology of Deviance	3 Credits

History 3 Credits

AMH	2010	United States History to 1865	3 Credits
AMH	2010H	Honors United States History to 1865	3 Credits
AMH	2020	United States History 1865 to Present `Gen Ed Core` `Civic Lit`	3 Credits
AMH	2020H	Honors United States History 1865 to Present `Gen Ed Core` `Civic Lit`	3 Credits
AMH	2035	The United States 1945 to Present	3 Credits
AMH	2070	History of Florida	3 Credits
AMH	2090	United States Women's History	3 Credits
AMH	2090H	Honors United States Women's History	3 Credits
AMH	2091	African American History	3 Credits
EUH	2000	Western Civilization to 1600	3 Credits
EUH	2000H	Honors Western Civilization to 1600	3 Credits
EUH	2001	Western Civilization 1600 to Present	3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present	3 Credits
HPS	2100H	Honors History Meets Science	3 Credits
LAH	2020	Latin American History	3 Credits
WOH	1022	World History Since 1500	3 Credits

WOH	2232	Survey of Early Christianity		3 Credits

Mathematics - Must take one Core Course
6 Credits

Choose one option:

MAC 2233 or higher level mathematics course and STA 2023

MAC	2233	Concepts of Calculus		3 Credits

or higher level mathematics course

STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

MAC 2311 or higher level mathematics course and MAC 2312

MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits

or higher level mathematics course

MAC	2312	Analytic Geometry and Calculus II		5 Credits

Natural Science - Must take one Core Course
7 Credits

PHY	1053C	General Physics I	Gen Ed Core	4 Credits

or higher level Physics course

Science General Education Course from Area A (Biological Science) or Area B (Earth Science)

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits

BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to		4 Credits

		Oceanography with Lab	
OCE	1001CH	Honors Introduction to Oceanography with Lab	4 Credits
MET	1010	Introduction to Meteorology	3 Credits
MET	1010C	Introduction to Meteorology with Lab	4 Credits

Total Credits: 128

Information Systems Technology Bachelor of Science

Major Code: IST-BS CIP: 1101101034
Program Description
The Bachelor of Science in Information Systems Technology (B.S.I.S.T.) degree program provides students with the critical skills and knowledge required to direct and control computerized information resources within diverse organizational settings. The study of Information Systems Technology provides professionals with the expertise and knowledge to support the design, planning and management of information infrastructures, as well as coordinate information resources. The curriculum provides knowledge of the concepts upon which information systems are based and applies this understanding by analyzing applications to real-world problems and designing suitable solutions. The B.S.I.S.T. degree program addresses the need for information systems technology professionals with systems management and development expertise. The student can elect to take the Cyber Security Specialization or the Programming Specialization, which includes courses in Modeling and Simulation. The Bachelor of Science degree in Information Systems Technology consists of 120 credits, including 36 credits of General Education courses.

Cyber Security Specialization: The Bachelor of Science in Information Systems Technology, Cyber Security Specialization, prepares students for careers in the fast-growing field of Cyber Security. The program focuses on providing security for the IT resources and assets of any organization including hands-on practical experience. Courses in the program include securing the cloud, mobile device security, securing the enterprise, wireless security and a comprehensive course that addresses the concepts covered in the CISSP certification. Careers that the specialization prepares students to pursue include the following: Chief Information Security Officer, Forensic Computer Analyst, Information Security Analyst, Penetration Tester, Security Architect, IT Security Engineer, Security Systems Administrator and IT Security Consultant.

Programming Specialization: The Bachelor of Science in Information Systems Technology, Programming Specialization, prepares students for careers in the fast-growing field of computer programming and software development. The specialization provides students with an in-depth knowledge of computer programming and software development. Courses focus on object-oriented programming, systems development, agile methods, software testing and installation. Students will be well-prepared to enter the field upon graduation with at least 4 years of hands-on, project-based software development. Careers that the specialization prepares students to pursue include the following: Software Application Developer, Web Developer, Computer Systems Developer, Database Developer, Computer Systems Analyst, Software Quality Assurance (QA) Engineer, Business Systems Analyst and Computer Programmer.

Program Admission
Applicants seeking admission to Seminole State College's bachelor's degree programs must comply with the College's General Admissions procedures. In addition, students must meet the following program-specific requirements listed below prior to being accepted into upper-division coursework:
- Completion of an associate's degree or bachelor's degree from a regionally accredited institution.
- Students who have earned a minimum of 60 college credit hours from any regionally accredited institution may request to have their admission reviewed and determined by the faculty committee.
- A GPA of 2.0 or higher.
- Program progression requirements: Once admitted, students must achieve (or have achieved) a grade of "C" or higher in the

following courses:
- *Programming and Cyber Security Specializations*:
  - CET 1179 Network Concepts and Operating Systems
  - CET 1600C Cisco Networking Fundamentals (Net+)
  - CGS 2545C Database Management
  - COP 1000 Principles of Computer Programming
  - ECO 2023 Principles of Economics (MACRO) or ECO 2013 Principles of Economics (MICRO)
  - MAC 1105 College Algebra or higher
  - STA 2023 Statistical Methods or MAC 1114 or higher level mathematics course

Profession
Professionals working in information systems technology fully understand and are able to design, implement, and manage networked information systems. They have expertise in database management systems, computer networks, information security, and software development. Their job is to create the technological solutions that help companies meet their organizational objectives.

Career Opportunities
High-level computer skills are in high demand, and it's likely to stay that way for the foreseeable future. In Central Florida, an average of 1,710 IT openings are expected each year. A bachelor's degree in information systems technology prepares you for these careers:
- Computer Systems Analyst
- Database Analyst/Manager
- Information Security Analyst
- IT Client/Server Analyst
- IT Consultant
- IT Director
- IT Project Manager
- IT Specialist
- Network Analyst
- Network Engineer
- Quality Assurance Manager
- Software Developer
- System Administrator

- Technical Analyst

Required Courses   39 Credits

CDA	3100	Introduction to Computer Architecture	3 Credits
CET	1179	Network Concepts and Operating Systems	3 Credits
CET	1600C	Cisco Introduction to Networks (Net+)	3 Credits
CET	3505	Computer Operating Systems	3 Credits
CGS	2545C	Database Management	3 Credits
CIS	3360	Principles of Security	3 Credits
CIS	4891	Capstone Project	3 Credits
CNT	4504	Computer Networks and Distributed Processing	3 Credits
COP	1000	Principles of Computer Programming	3 Credits
COP	3703	Database Design/Architecture	3 Credits
COT	3103	Discrete Computational Analysis	3 Credits
ISM	3113	Information Systems Analysis and Design	3 Credits
CIS	4523	Managing IT Projects	3 Credits

Elective Courses

Choose from one of the following Specializations:

Cyber Security Specialization

Prerequisite Cyber Security Courses
6 Credits

CET	1178C	Network Computer Maintenance and Repair (A+)	3 Credits
CTS	1168C	Installing and Configuring Windows 10 (70-698 exam)	3 Credits

Required Cyber Security Courses
24 Credits

CIS	4361	Applied Security	3 Credits
CNT	3406	Enterprise Security	3 Credits

CNT	4422	Securing the Cloud	3 Credits
CNT	4514	Wireless Networks and Portable Devices	3 Credits
CNT	4704	Network Design and Planning	3 Credits
CNT	4524	Mobile Security	3 Credits
CNT	4930	Trends in Cyber Security	3 Credits
ISM	4300	Information Systems Operations Management	3 Credits

Any Upper or Lower Division Electives
15 Credits

Exclusive of courses with a number beginning with zero or courses designated as non-transfer.

Programming Specialization

Prerequisite Programming Courses
9 Credits

COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits

Choose one course:

CGS	2100C	Computer Applications	3 Credits
CIS	2028	Introduction to the IT Industry	3 Credits

Required Programming Courses
18 Credits

CEN	3024	Software Development I	3 Credits
CEN	4025	Software Development II	3 Credits
CEN	4333	Advanced Database Development	3 Credits
CEN	4802	Software Integration, Configuration and Testing	3 Credits

Choose Option one or Option two
6 Credits

Option one

COP	4655	Application Development for Mobile Devices	3 Credits

COP	4813	Web Applications Programming	3 Credits

Option two

CAP	3880	Simulation Software Design	3 Credits
CIS	3270	Continuous Simulation	3 Credits

Any Upper or Lower Division Electives
18 Credits

Exclusive of courses with a number beginning with zero or courses designated as non-transfer.

Foundation Courses

Foundation courses may be applied towards elective and certain General Education requirements

CET	1179	Network Concepts and Operating Systems	3 Credits

or higher level course in computer operating systems

CET	1600C	Cisco Introduction to Networks (Net+)	3 Credits

or higher level course in networking fundamentals

CGS	2545C	Database Management	3 Credits

or higher level course in database management and/ or systems

COP	1000	Principles of Computer Programming	3 Credits

or higher level programming course in the following computer languages: JAVA, C++, C# or Visual Basic

MAC	1105	College Algebra Gen Ed Core	3 Credits

or higher level MAC prefix course

Choose one course:

STA	2023	Statistical Methods I	Gen Ed Core	3 Credits

or higher level Statistics course

MAC	1114	Trigonometry	3 Credits

Choose one economics course:

ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits

General Education Courses   36 Credits

Communication – Must take one Core Course
9 Credits

ENC	1101	English I	Gen Ed Core	3 Credits
ENC	1102	English II		3 Credits
SPC	1608	Speech Communication		3 Credits

Humanities – Must take one Core Course
6 Credits

Three credits from Area A and three credits from Area B

Cultural Humanities Area A

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2022H	Honors Liberal Arts Humanities		3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits
HUM	2232	Renaissance/Baroque Humanities		3 Credits
HUM	2234	18th and 19th Century Humanities		3 Credits

HUM	2250	20th/21st Century Humanities	3 Credits
HUM	2250H	Honors 20th/21st Century Humanities	3 Credits
HUM	2322	Women, Gender and Culture	3 Credits
HUM	2322H	Honors Women, Gender and Culture	3 Credits
HUM	2410	Asian Humanities	3 Credits
HUM	2410H	Honors Asian Humanities	3 Credits
HUM	2454	African American Humanities	3 Credits
HUM	2454H	Honors African American Humanities	3 Credits
HUM	2461	Latin American Humanities	3 Credits
HUM	2461H	Honors Latin American Humanities	3 Credits
HUM	2821	LGBTQ Studies in the Humanities	3 Credits
PHI	1630	Contemporary Ethical Problems	3 Credits

PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits

REL	2300	Religions of the World	3 Credits

Artistic and Literary Humanities Area B

AML	2010	American Literature I	3 Credits
AML	2020	American Literature II	3 Credits
AML	2600	Survey of African American Literature	3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits

ARH	2050	Art History I	3 Credits
ARH	2051	Art History II	3 Credits
ENG	2100	The Art of Film	3 Credits
ENG	2103	World Cinema	3 Credits
ENL	2012	British Literature I	3 Credits

ENL	2022	British Literature II		3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
LIT	2090	Contemporary Literature		3 Credits
LIT	2090H	Honors Contemporary Literature		3 Credits
LIT	2120	World Literature II		3 Credits
LIT	2120H	Honors World Literature II		3 Credits
MUH	2022	History of Rock Music		3 Credits
MUH	2026	Introduction to Blues and Jazz		3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
MUL	2014	Introduction to Music History and Literature		3 Credits
THE	1304	Script Analysis		3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits
THE	2239	The Development of African American Theatre		3 Credits

Social Science and History – Must take one Core Course

9 Credits

Courses must be taken from three areas. Three credits must be taken from History

Social Science General Education Core course

6 Credits

Area A Anthropology

ANT	2000	General Anthropology	Gen Ed Core	3 Credits
ANT	2410	Introduction to Cultural Anthropology		3 Credits

Area B Economics

ECO	1000	Basic Economics		3 Credits
ECO	2013	Principles of Economics (MACRO)	Gen Ed Core	3 Credits

ECO	2013H	Honors Principles of Economics (MACRO)	Gen Ed Core	3 Credits
ECO	2023	Principles of Economics (MICRO)		3 Credits
ECO	2023H	Honors Principles of Economics (MICRO)		3 Credits
ECO	2930	Selected Studies in Economics		3 Credits

Area C Geography

GEA	1000	World Regional Geography		3 Credits
GEO	1200	Introduction to Physical Geography		3 Credits

Area D Political Science

CPO	1421	Politics, Society, and Islam		3 Credits
INR	2002	International Relations		3 Credits
INR	2002H	Honors International Relations		3 Credits
PAX	2000	Introduction to Peace Studies		3 Credits
POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2112	State and Local Government		3 Credits
POT	2002	Political Theory		3 Credits
POT	2002H	Honors - Political Theory		3 Credits
POT	2301	Political Ideology - Introduction		3 Credits
PUP	2230	Energy and Environmental Policy		3 Credits

Area E Psychology

CBH	1021H	Honors Comparative Psychology & Animal Behavior		3 Credits
CLP	2140	Abnormal Psychology		3 Credits
DEP	2004	Developmental Psychology		3 Credits

INP	2002	Introduction to Industrial Psychology		3 Credits
PPE	2001	Psychology - Introduction to Personality		3 Credits
PSY	2012	General Psychology	Gen Ed Core	3 Credits
PSY	2012H	General Psychology Honors	Gen Ed Core	3 Credits
PSY	2602	The Evolution of Modern Psychology		3 Credits

Area F Sociology

SYG	2000	Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2000H	Honors Introduction to Sociology	Gen Ed Core	3 Credits
SYG	2010	Social Problems		3 Credits
SYG	2110H	Honors Introduction to Social Research		3 Credits
SYG	2230	Race and Ethnic Relations		3 Credits
SYG	2311	Introduction to Conflict Studies		3 Credits
SYG	2340	Human Sexuality		3 Credits
SYG	2430	Marriage and the Family		3 Credits
SYP	2512	Sociology of Deviance		3 Credits

History   3 Credits

AMH	2010	United States History to 1865		3 Credits
AMH	2010H	Honors United States History to 1865		3 Credits
AMH	2020	United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
AMH	2020H	Honors United States History 1865 to Present	Gen Ed Core / Civic Lit	3 Credits
AMH	2035	The United States 1945 to Present		3 Credits
AMH	2070	History of Florida		3 Credits
AMH	2090	United States Women's History		3 Credits

AMH	2090H	Honors United States Women's History		3 Credits
AMH	2091	African American History		3 Credits
EUH	2000	Western Civilization to 1600		3 Credits
EUH	2000H	Honors Western Civilization to 1600		3 Credits
EUH	2001	Western Civilization 1600 to Present		3 Credits
EUH	2001H	Honors Western Civilization 1600 to Present		3 Credits
HPS	2100H	Honors History Meets Science		3 Credits
LAH	2020	Latin American History		3 Credits
WOH	1022	World History Since 1500		3 Credits
WOH	2232	Survey of Early Christianity		3 Credits

Mathematics - Must take one Core Course
6 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/ Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Natural Science - Must take one Core Course

6 Credits

Courses must be taken from two different areas

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	Gen Ed Core	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits
MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Area C Physical Science

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1032C	Foundations of College Chemistry		4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits
PSC	2521	Sustainability: Concepts and Issues		3 Credits

Total Credits: 120

Project Management
Certificate of Professional Preparation
Major Code: PMT-BC CIP: 5555202990
Program Description
The Project Management Certificate Program introduces students to all areas of project management, from project initiation through

closure. Students will learn how to scope a project, create a plan baseline that includes a schedule and time-phased budget and address the quality parameters of the project. The curriculum also reviews human resource management, proper project communication and procurement techniques and how to identify and manage project risks. The final required class is a capstone course that requires students to apply what they have learned during the program. This certificate is upward compatible with the Bachelor of Science (B.S.) degree, Engineering Technology.

Program Admission
Admission Criteria: Baccalaureate degree from a regionally accredited institution.

Career Opportunities

Profession

Careers in project management and project coordination span many different industries, including engineering, design, construction, manufacturing, information technology and healthcare. Project managers and project coordinators work closely with customers, business managers, technical sales, architects, engineers and general contractors in a wide array of environments.

Project manager and coordinator employment opportunities span the globe. Project managers have integral roles in small and large corporations and nonprofit organizations. Businesses that are moving forward hire project managers and coordinators to achieve their strategic initiatives. To find careers in project management, students will need strong organizational capabilities; technical, financial, and operations knowledge; excellent communication skills and the ability to solve problems.

Career Opportunities

- Project Manager
- Project Coordinator
- Project Liason
- Project Management Office Lead

Job Outlook

According to the Project Management Institute's report, "Project Management Job Growth and Talent Gap 2017-2027," "Demand over the next 10 years for project managers is growing faster than demand for workers in other occupations. Organizations, however, face risks from this talent gap."

Required Courses   15 Credits

ETI	3442	Project Planning	3 Credits
ETI	3630	Leading Project Teams	3 Credits
ETI	4115	Project Quality and Risk Management	3 Credits
ETI	4448	Applied Project Management	3 Credits

Choose one course from the list below:

3 Credits

ETI	3671	Technical Economic Analysis	3 Credits
ETI	4675	Advanced Project Financial Management	3 Credits
ETI	4632	Advanced Stakeholder Analysis for Projects	3 Credits

Total Credits: 15

Architectural Engineering Technology Associate in Science
Major Code: AET-AS CIP: 1715020101
Program Description
Students will learn the engineering and design requirements for a project within the built environment, receiving a strong math and science foundation that will prepare them for the architecture/engineering/construction industry. With an understanding of the basic principles and technical aspects of the industry, students graduating from the program will typically work for an architect, engineer, contractor or subcontractor. Graduates who would like to continue their formal education may continue toward Seminole State's B. S. in Engineering Technology or B. S. in Construction degrees or may take advantage of university programs in engineering technology.

Profession

Architectural engineering technicians use engineering principles and technical skills to help architects, engineers and planners develop buildings and related systems, such as lighting and communications systems. They analyze building sites, draw plans, create building models and test designs. Related engineering technology professions include civil engineering technicians. They assist engineers in the planning and design of highways, bridges, utilities, buildings and other major projects. They also help with commercial, residential and land development. Mechanical engineering technicians help mechanical engineers design, develop, test and manufacture industrial machinery, consumer products and other equipment. They may make sketches and rough layouts, record and analyze data, make calculations and estimates and report their findings. Industrial engineering technicians plan ways to effectively use personnel, materials and machines in factories, stores, hospitals repair shops and offices. They may also prepare machinery and equipment layouts, plan work flows, conduct statistical production studies and analyze production costs.

Career Opportunities
Graduates of this program have a number of employment options such as:
- Architectural Engineering Technician
- Civil Engineering Technician
- Industrial Engineering Technician
- Mechanical Engineering Technician
- Surveying and Mapping Technician

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in these fields is expected to grow between 5 to 20 percent from now until 2020. For surveying and mapping technicians, recent advancements in mapping technology have led to new uses for maps and a need for more of the data used to build maps. As a result, surveying and mapping technicians are expected to have more work. Civil engineering technicians will be needed to manage projects to rebuild bridges, repair roads and upgrade levees and dams as infrastructure continues to age. Mechanical engineering

technicians will see a slight growth in their field, especially for those who can master new software and technology. (Source: Bureau of Labor Statistics).

Degree Transfer
The A.S. Degree in Engineering Technology will transfer to the Seminole State College's Bachelor of Science in Architectural Engineering Technology or the Bachelor of Science in Construction degrees or may take advantage of university programs in engineering technology.

Certifications
The following industry certifications are related to the education in the A.S. Degree Engineering Technology program:
- Autodesk Certified Professional – Inventor, ADESK024
- Autodesk Certified User - Autodesk Inventor, ADESK011
- MSSC Certified Production Technician (CPT), MSSCN001

College Credit Certificates
Students may complete the following college credit certificates as part of the A.S. in Architectural Engineering Technology degree:
- Advanced Computer-Aided Design
- Computer-Aided Design
- Sustainable Engineering

Required Courses   35 Credits

ARC	1301C	Architectural Design	3 Credits
BCN	1221	Introduction to Building Construction	3 Credits
BCN	2230	Construction Materials and Methods I	3 Credits
COP	1000	Principles of Computer Programming	3 Credits
EET	1035C	Fundamentals of AC/DC Electricity	3 Credits
EGS	1006	Introduction to the Engineering Profession	1 Credits
EGN	1007	Engineering Concepts and Methods	1 Credits
EGN	1111C	Engineering Graphics - Drawing	2 Credits

SUR	2101C	Surveying		4 Credits
ETD	1320C	Computer-Aided Design I		3 Credits
ETD	1340C	Computer-Aided Design II		3 Credits
EET	1015C	Fundamentals of DC Circuits		3 Credits

Choose one of the following:

MTB	1329	Applied Mathematical Concepts for Engineering Technology	3 Credits
MAC	1114	Trigonometry	3 Credits

Or higher level math course

Elective Courses   3 Credits

Any College Credit course not already required.

Exclusive of courses with a number beginning with zero or courses designated as non-transfer.

General Education Courses   25 Credits

Communication General Education Core course
3 Credits

ENC	1101	English I	(Gen Ed Core)	3 Credits

Communications General Education courses
3 Credits

SPC	1608	Speech Communication	3 Credits

Mathematics General Education Core course
6 Credits

MAC	1105	College Algebra	(Gen Ed Core)	3 Credits
MAC	2311	Analytic Geometry and Calculus I	(Gen Ed Core)	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	(Gen Ed Core)	5 Credits
MGF	1106	College Mathematics	(Gen Ed Core)	3 Credits
MGF	1107	Liberal Arts Mathematics	(Gen Ed Core)	3 Credits
		Statistical Methods I	(Gen Ed Core)	3 Credits

STA	2023			
STA	2023H	Honors Statistical Methods I	(Gen Ed Core)	3 Credits

Humanities General Education Core course
3 Credits

ARH	1000	Art Appreciation	(Gen Ed Core)	3 Credits
HUM	2020	Experiencing the Humanities	(Gen Ed Core)	3 Credits
HUM	2020H	Honors Experiencing the Humanities	(Gen Ed Core)	3 Credits
LIT	2000	Introduction to Literature	(Gen Ed Core)	3 Credits
MUL	2010	Music Appreciation	(Gen Ed Core)	3 Credits
MUL	2010H	Honors Music Appreciation	(Gen Ed Core)	3 Credits
PHI	2010	Introduction to Philosophy I	(Gen Ed Core)	3 Credits
PHI	2010H	Honors Intro to Philosophy I	(Gen Ed Core)	3 Credits
THE	2000	Theatre Appreciation	(Gen Ed Core)	3 Credits

Social Science General Education Core course*
3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	(Gen Ed Core) (Civic Lit)	3 Credits
POS	2041H	Honors U.S. Federal Government	(Gen Ed Core) (Civic Lit)	3 Credits

Natural Science General Education Core course
4 Credits

PHY	1053C	General Physics I	(Gen Ed Core)	4 Credits

Natural Science General Education course
3 Credits

Any General Ed Natural Science Area A or B

Area A Biological Science

BOT	2432	Applied Mycology		3 Credits
BSC	1005	Concepts of Biology	(Gen Ed Core)	3 Credits
BSC	1005C	Concepts of Biology with Lab	(Gen Ed Core)	4 Credits
BSC	1005H	Honors Concepts of Biology	(Gen Ed Core)	3 Credits
BSC	1020	Human Biology		3 Credits
BSC	1050	Biology and Environment		3 Credits
BSC	1050H	Honors Biology and Environment		3 Credits
BSC	1076	Get Ready for Anatomy and Physiology		1 Credits
BSC	1085	Anatomy and Physiology I - Transfer	(Gen Ed Core)	Credits
BSC	2004	Parasitology and Human Disease		3 Credits
BSC	2010C	General Biology I	(Gen Ed Core)	4 Credits

Area B Earth Science

AST	1002	Introduction to Astronomy	(Gen Ed Core)	3 Credits
AST	1002H	Honors Introduction to Astronomy	(Gen Ed Core)	3 Credits
ESC	1000	Introduction to Earth Science	(Gen Ed Core)	3 Credits
EVR	1001	Introduction to Environmental Science	(Gen Ed Core)	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	(Gen Ed Core)	4 Credits
EVR	1001H	Honors Introduction to Environmental Science	(Gen Ed Core)	3 Credits
GLY	1000	Introduction to Geology		3 Credits
GLY	1101	Fossils and the History of Life		3 Credits
GLY	2010C	Physical Geology with Laboratory		4 Credits
OCE	1001	Introduction to Oceanography		3 Credits
OCE	1001C	Introduction to Oceanography with Lab		4 Credits
OCE	1001CH	Honors Introduction to Oceanography with Lab		4 Credits
MET	1010	Introduction to Meteorology		3 Credits
MET	1010C	Introduction to Meteorology with Lab		4 Credits

Total Credits: 63

Computer Programming and Analysis Associate in Science

Major Code: CMPPA-AS CIP: 1511020101

Program Description

Seminole State's Associate in Science (A.S.) degree in Computer Programming and Analysis provides students with practical knowledge and hands-on training in the foundations of computer technology, databases, Web applications, user applications, modeling and simulation and computer programming. Elective specializations include BS IST (programming track), BS IST (simulation track) and Web Development track. This A.S. degree articulates to Seminole State's B.S. in Information Systems Technology (programming and simulation specialization tracks).

BS IST Simulation Specialization: The Simulation specialization teaches computer programming skills used in the video gaming and simulation industries. Students earning this specialization can either seek employment with one of the many video game and simulation companies in the Central Florida area, or they may continue their studies in simulation by enrolling in the Bachelor of Science in Information Technology. For more information on career opportunities in simulation, check out: https://www.seminolestate.edu/computers/curriculum/simulation

BS IST Programming Specialization: The Programming specialization teaches programming skills in a variety of computer languages, thereby providing students with experience they can

leverage to seek employment in the fast growing computer programming field. Central Florida has a high concentration of computer programming jobs for graduates with this specialization. Students earning the Programming specialization may continue their studies in computer programming by enrolling in the Bachelor of Science in Information Systems Technology. For more information on computer programming jobs, check out: https://www.indeed.com/q-Computer-Programmer-I-Orlando,-FL-jobs.html

Web Development Specialization: The Web Development specialization teaches computer programming skills used extensively in creating and maintaining websites. Due to the growth of online marketing and getting a company's brand out, web development continues to be one of the hottest job areas for computer programmers. For more information on web development jobs, check out: https://www.indeed.com/jobs?q=web+developer&l=Orlando%2C+FL

Profession
Computer programmers and analysts are high-tech linguists. Computer programmers write the code and create the languages and software programs computers follow to operate. Additionally, systems programmers oversee the work of computer programmers and serve as technical advisors to systems analysts, application programmers and operations personnel.

Career Opportunities
Graduates of this program are employed as:
- Applications Programmers
- Computer Programmers
- Software Testers
- Systems Analysts
- Systems Programmers
- Web Developments
- Web Masters
- Web Programmers

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Considered one of Central Florida's high-skill, high-wage occupations, employment in the computer programming field is expected to grow by 12 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics).

College Credit Certificates
Students pursuing this degree also may obtain the following college credit certificates:
- Computer Programming Certificate
- Computer Programming Specialist Certificate
- Information Technology Analysis Certificate
- Web Development Certificate

Certifications
Graduates of this program MAY BE qualified to earn the following industry certifications:
- CIW Internet Business Associate
- CIW Site Development Associate
- CIW Web Design Specialist
- CIW Web Foundations Associate
- CIW JavaScript Specialist
- CIW Database Design Specialist
- Microsoft Office Access 2013
- Microsoft Office Excel 2013 Expert Part One
- Microsoft Office Excel 2013 Expert Part Two
- Microsoft Office Powerpoint 2013
- Microsoft Office Word 2013 Expert Part One
- Microsoft Office Word 2013 Expert Part Two
- Microsoft Technology Associate (MTA) Database
- Microsoft Technology Associate (MTA) Software Development
- Microsoft Technology Associate (MTA) Programming in C#
- Oracle Certified Associate Java SE Programmer
- Oracle Certified ProfessionalJava SE Programmer

Degree Transfer
Seminole State's A.S. Degree in Computer Programming and Analysis will transfer to the College's Bachelor of Science (B.S.) in Information Systems Technology.

Program Note
Seminole State's Associate in Science (A.S.) degrees are designed to prepare graduates for immediate entry into their chosen career field and/or transfer into certain baccalaureate programs. Students planning to transfer to a college or university should consult with an academic advisor to ensure

completion of all entry requirements for the baccalaureate program of their choice.

Required Courses   30 Credits

CET	1179	Network Concepts and Operating Systems	3 Credits
CGS	2545C	Database Management	3 Credits
CIS	2321	Systems Analysis and Design	3 Credits
COP	1000	Principles of Computer Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits
COP	2830	Web Programming I	3 Credits
CTS	2445	Oracle Structured Query Language (SQL)	3 Credits

Choose one course from the following list:

CIS	2901C	Case Study in Business Programming	3 Credits
COP	2949	Internship in Computer Programming	3 Credits

Choose one course from the following list:

CGS	2100C	Computer Applications	3 Credits
CIS	2028	Introduction to the IT Industry	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Elective Courses   12 Credits

Choose 12 credits of elective courses from one of the following Technical Specializations:

BS IST Simulation Specialization

CAP	2801	Simulation and Gaming Fundamentals I	3 Credits
CAP	2804	Simulation and Gaming Fundamentals II	3 Credits
COP	2224	C++ Programming	3 Credits
CAP	1760	Introduction to Data Analytics	3 Credits

BS IST Programming Specialization

COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2047	Python Programming	3 Credits
CAP	1760	Introduction to Data Analytics	3 Credits
COP	2836	Web Programming II	3 Credits

Web Development Specialization

CEN	2724	User Interface and User Experience Design	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2047	Python Programming	3 Credits

General Education Courses   18 Credits

ENC	1101	English I	(Gen Ed Core)	3 Credits
SPC	1608	Speech Communication		3 Credits

Natural Science General Education Core course

3 Credits

AST	1002	Introduction to Astronomy	(Gen Ed Core)	3 Credits
AST	1002H	Honors Introduction to Astronomy	(Gen Ed Core)	3 Credits
BSC	1005	Concepts of Biology	(Gen Ed Core)	3 Credits
BSC	1005H	Honors Concepts of Biology	(Gen Ed Core)	3 Credits
BSC	1005C	Concepts of Biology with Lab	(Gen Ed Core)	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	(Gen Ed Core)	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	(Gen Ed Core)	4 Credits

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Humanities General Education Core course

3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 60

Computer-Aided Drafting and Design Associate in Science

Major Code: DRAFT-AS CIP: 1615130202

Program Description

The Computer-Aided Drafting and Design A.S. degree program provides students with a broad base of design and drafting skills that can be applied in the field of architecture, engineering, construction and manufacturing.

Profession

In the exciting and growing field of CADD, drafting and design technicians use software to convert the designs of engineers and architects into technical drawings and plans. Job opportunities are strong. They are an essential component in the design team. Workers in production and construction use these plans to build everything from microchips to skyscrapers. Industry needs are great. Developments in new technology are causing entry-level requirements to rise. An associate's degree is the typical level of education needed to enter the occupation. Drafting and design technicians need skills from academic programs so that they may move into the work of designing directly for professionals, such as engineers and architects. For students who seek a career in a solid and growing field, CADD is a great choice.

Career Opportunities
Graduates of this program have a number of employment options such as:
- Advertising, public relations, and related services
- Building Drafter
- Civil Computer-Aided Design and Drafting Technician
- Manufacturing Drafter
- Structural Drafter

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by 6 percent from now until 2020 (Source: Bureau of Labor Statistics). Developments in software programs used by drafters and other professionals they work with are changing the nature of drafters' work and how this work will have to be done.

College Credit Certificates
Students may complete the following college credit certificates as part of the Computer-Aided Drafting and Design degree:
- Advanced Computer-Aided Design Certificate
- Building Construction Technology Technical Certificate
- Computer-Aided Design Technical Certificate
- Sustainability Technical Certificate

Certifications

The following industry certifications are related to the training in the A.S. Degree Computer Aided Drafting and Design program:
- Autodesk Certified Associate – AutoCAD, (ADESK016)
- Autodesk Certified Professional – AutoCAD, (ADESK021)
- Autodesk Certified User – AutoCAD, (ADESK002)

Additional industry certifications may be available for college credit certificate programs.

Required Courses   32 Credits

ARC	1301C	Architectural Design	3 Credits
BCN	2230	Construction Materials and Methods I	3 Credits
BCN	2272	Blueprint Reading	2 Credits
EGN	1111C	Engineering Graphics - Drawing	2 Credits
ETD	1320C	Computer-Aided Design I	3 Credits
ETD	1340C	Computer-Aided Design II	3 Credits
ETD	2364C	Introduction to SolidWorks	3 Credits
ETD	2390	Revit I	3 Credits
ETD	2391	Revit II	3 Credits
MTB	1329	Applied Mathematical Concepts for Engineering Technology	3 Credits
SUR	2101C	Surveying	4 Credits

Elective Courses   15 Credits

Choose 15 credits of technical electives from the following list:

BCN	1221	Introduction to Building Construction	3 Credits
BCN	1270C	Graphic Communication in Construction	3 Credits
BCN	1303C	Introduction to Building Information Modeling	3 Credits
BCN	2231	Construction Materials and Methods II	3 Credits
BCN	2251C	Building Construction Documents	3 Credits

BCN	2310C	Virtual Design and Construction (VDC) in Construction Estimating	3 Credits
BCN	2311C	Virtual Design and Construction (VDC) Planning and Scheduling	3 Credits
BCN	2312C	Virtual, Augmented, and Mixed Reality (VR/AR/MR) Technologies in Construction	3 Credits
BCN	2313C	Virtual Design and Construction (VDC) Field Technologies	3 Credits
BCN	2721	Construction Scheduling and Planning	3 Credits
BCT	2770	Estimating Fundamentals	3 Credits
EET	1015C	Fundamentals of DC Circuits	3 Credits
ETD	2941	Cooperative Education Internship in Design and Engineering	1 Credits
ETD	2942	Cooperative Education Internship in Design and Engineering	2 Credits
ETD	2949	Cooperative Education Internship in Design and Engineering	3 Credits
GRA	2201	Digital Imaging I	3 Credits
IND	1935	Building Codes and Accessibility	3 Credits
IND	2461	Building Systems	3 Credits
IND	2484C	Construction Documents	3 Credits
IND	2622	Sustainability in the Built Environment	3 Credits

General Education Courses   15 Credits

Communication General Education Core course

3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Humanities General Education Core course

3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits

Natural Science General Education Core course

3 Credits

ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Intro Env Eng		2 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 62

Construction Management Associate in Science

Major Code: CNMGT-AS CIP: 1646041201

Program Description

The Associate in Science (A.S.) degree in Construction Management is a blend of building science, project management and professional practice courses that prepare students for a career as project manager or superintendent of residential or small commercial construction projects. This degree prepares students for state licensing and provides a pathway into Seminole State's B.S. in Construction.

Profession

Houses, roads, bridges, power plants, schools and hospitals are just some of the essential structures

that support daily life. These residential, commercial and industrial projects are led by construction managers who coordinate the many details required to complete them, often while supervising multiple concurrent projects.

Career Opportunities
Graduates of this program are employed as:
- Assistant Project Managers/Project Engineers
- Estimators
- Field Superintendents
- Home Builders
- Purchasing Agents
- Schedulers

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by 17 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics). Construction managers will be needed as the level and variety of construction projects expands. Population and business growth will result in new construction of residential dwellings, office buildings, retail outlets, hospitals, schools, restaurants and other structures.

College Credit Certificates
Students pursuing this degree also may obtain the following college credit certificates:
- Building Construction Technical Certificate

Certifications
Graduates of this program are qualified to earn the following industry certifications:
- Autodesk Certified Associate – Revit Architecture, (ADESK020)
- Autodesk Certified Professional – Revit Architecture, (ADESK025)
- NCCER Carpentry – Level 1, (NCCER005)
- NCCER Carpentry – Level 2, (NCCER032)
- NCCER Carpentry – Level 3, (NCCER033)
- NCCER Carpentry – Level 4, (NCCER034)
- NCCER Construction Technology, (NCCER008)
- NCCER Electrical – Level 1, (NCCER010)
- NCCER Electrical – Level 2, (NCCER038)
- NCCER Masonry – Level 1, (NCCER025)
- NCCER Plumbing – Level 1, (NCCER026)
- NCCER Plumbing – Level 2, (NCCER069)
- NCCER Plumbing – Level 3, (NCCER070)
- NCCER Plumbing – Level 4, (NCCER071)
- NCCER Project Management, (NCCER027)
- NCCER Roofer – Level 1, (NCCER053)
- NCCER Roofer – Level 2, (NCCER054)
- NCCER Roofer – Level 3, (NCCER055)
- NCCER Roofer – Level 4, (NCCER056)
- NOCTI Building Construction, (NOCTI043)
- NOCTI Carpentry, (NOCTI018)
- NOCTI Home Builders Institute/NAHB, (NOCTI042)

Additional industry certifications may be available for college credit certificate programs.

Required Courses   39 Credits

BCN	1221	Introduction to Building Construction	3 Credits
BCN	1270C	Graphic Communication in Construction	3 Credits
BCN	1303C	Introduction to Building Information Modeling	3 Credits
BCN	2230	Construction Materials and Methods I	3 Credits
BCN	2231	Construction Materials and Methods II	3 Credits
BCN	2251C	Building Construction Documents	3 Credits
BCN	2721	Construction Scheduling and Planning	3 Credits
BCT	1763	Work Place Safety	3 Credits
BCT	2770	Estimating Fundamentals	3 Credits
MAN	2021	Introduction to Management	3 Credits
MTB	1329	Applied Mathematical Concepts for Engineering Technology	3 Credits

MAC 1114 can be used to satisfy the MTB 1329 program requirement

SUR	2101C	Surveying	4 Credits

Choose two credits from the following Cooperative Education courses:

BCN	2941	Construction Management Internship	1 Credits
BCN	2942	Construction Management Internship	2 Credits

BCN	2949	Construction Management Internship		3 Credits

Elective Courses   5 Credits

Any college credit course not already required or choose from the specialized electives list:

Exclusive of courses with a number beginning with zero or courses designated as non-transfer.

BCN	2272	Blueprint Reading	2 Credits
BCN	2320	Office Computer Applications for Contractors	3 Credits
BCN	2310C	Virtual Design and Construction (VDC) in Construction Estimating	3 Credits
BCN	2311C	Virtual Design and Construction (VDC) Planning and Scheduling	3 Credits
BCN	2312C	Virtual, Augmented, and Mixed Reality (VR/AR/MR) Technologies in Construction	3 Credits
BCN	2313C	Virtual Design and Construction (VDC) Field Technologies	3 Credits

General Education Courses   16 Credits

Communication General Education Core course
3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Mathematics General Education Core course
3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits

Social Science General Education Core course*
3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Humanities General Education Core course
3 Credits

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
ARH	1000	Art Appreciation	Gen Ed Core	3 Credits

Natural Science General Education Core course
4 Credits

PHY	1053C	General Physics I	Gen Ed Core	4 Credits

Prerequisite of MAC 1114 or MTB 1329

Total Credits: 60

Digital Media
Associate in Science

Major Code: GRDIG-AS CIP: 1611080300
Program Description
The Digital Media Program offers students the skills and training needed to work as a digital media professional through the creation of appealing and engaging content. Our hands-on approach gives the student the communication, production and technical proficiency training techniques needed to make sophisticated choices in the creation of digital media art. The student is challenged to go beyond their depth of creativity while exploring an array of recent methods and approaches currently used within the field of digital media.

This program not only provides skills training, but also examines the theories behind new methods of conveying information, how audiences take in and react to this type of messaging and how media must adapt its message. Students are taught to work effectively on both an individual basis and as a member of a team, to prepare them for work as an industry professional. Instructors with extensive experience in the field share their insights and

experience on what it takes to succeed as a digital media professional.

Throughout the program the student continuously builds a portfolio of their work, showcasing their talents and skills, to present to employers. Digital media students have the choice of customizing their education by specializing in graphic design or game development.

Graphic Design Specialization: The Graphic Design specialization provides fundamental skills to create sophisticated designs using conceptual, practical, and technical problem-solving skills. Graphic Design uses visual communication to prepare students to create, collaborate, and critique so they can succeed in the design profession. The curriculum includes but is not limited to coursework in image-making, color correction, typography, print publishing, illustration, web design, research, and portfolio development. Students are prepared for a wide range of employment opportunities in publishing, advertising, branding, packaging, information design, as well as design for the World Wide Web and other digital devices.

Game Development Specialization: The Game Development specialization provides practical foundations of video game production. The content in this specialization primarily focuses on the visual aspect of game development. Students will also learn a basic level of programming and be able to collaborate with game programmers as well as story development and game play. The curriculum includes but is not limited to developing game concept, creating assets, building environments, testing and implementation. Students will be prepared for a variety of roles in game development as well as simulation.

Profession
Digital media is a rapidly evolving field offering exciting opportunities to integrate the creative process of art and design with the technology of digital media production. The digital media artist uses visual communication and technologies to inform or entertain audiences. This field combines innovative thinking and creativity with a high level of technical skill. Change in this field is constant as

technology progresses. An effective digital media artist must be able to work within a team along with possessing good communication skills. Career opportunities are available within a vast amount of industries such as entertainment, advertising, publication design, 3D modeling and animation, web design and interactivity.

Career Opportunities
Some of the career opportunities available for graduating students include:
- 3D Designer
- Advertising Designer
- Animator
- Architectural Renderer
- Art Director
- Book Designer
- Chart/Graph Designer
- Creative Director
- Credits Designer
- CSS Developer
- Curriculum Materials Developer
- Digital Artist
- Digital Illustrator
- Digital Layout Artist
- Editorial Artist
- Editorial Illustrator
- Film/Video Graphic Designer
- Front-End Developer
- Graphic Designer
- Graphic Production Artist
- HTML Developer
- Industrial Designer
- Information Graphic Artist
- Instructional Materials Designer
- Interface Designer
- Magazine Designer
- Newspaper/Page Layout Designer
- Package Designer
- Pre-press Technician
- Presentation Artist
- Product Designer
- Promotions/Publicity
- Publisher
- Storyboard Artist
- Training Video Producer
- Type Designer
- Web Designer
- Web Graphics Designer

- Web Illustrator/Imagist
- Web Production Artist Presentation Designer

For career information related to this program, please visit O*Net OnLine.

Job Outlook

Employment in this field is expected to grow by 8 percent from now until 2020. Expected growth will be due to increased demand for animation and visual effects in video games, movies, and television (Source: Bureau of Labor Statistics).

College Credit Certificates

Students may complete the following college credit certificates as part of the Digital Design degree:

- Digital and Interactive Media Design Technical Certificate
- Digital Media – Digital Media/Multimedia Production Certificate
- Digital Media – Graphic Design Production Certificate
- Digital Media – Graphic Design Support Certificate
- Digital Media/Multimedia Web Production Certificate
- 3D Modeling & Interactive Media Support Certificate

Required Courses   25 Credits

DIG	2000	Introduction to Digital Media	3 Credits
DIG	2109C	Design Fundamentals	3 Credits
DIG	2500C	Fundamentals of Interactive Design	3 Credits
DIG	2581	Portfolio Design	4 Credits
GRA	2151C	Digital Illustration	3 Credits
GRA	2201	Digital Imaging I	3 Credits
DIG	1105C	Social Media Tools	3 Credits
DIG	2030C	Digital Video Fundamentals	3 Credits

Elective Courses   24 Credits

Choose 21 credits of elective courses from one of the following Specializations:

Graphic Design Specialization

GRA	2121	Digital Publishing I	3 Credits
GRA	2122	Digital Publishing II	3 Credits
GRA	2144C	Web Design	3 Credits
GRA	2152C	Digital Illustration II	3 Credits
GRA	2206	Typography	3 Credits
GRA	2207C	Digital Imaging II	3 Credits
GRA	2757C	Responsive Design	3 Credits

Game Development Specialization

CAP	2801	Simulation and Gaming Fundamentals I	3 Credits
COP	1000	Principles of Computer Programming	3 Credits
COP	2800	Programming in Java	3 Credits
DIG	2302C	3D Modeling and Animation I	3 Credits
DIG	2303	Character Development	3 Credits
DIG	2341	Motion Graphics I	3 Credits
GRA	2157C	Fundamentals of Animation	3 Credits

Choose one course from the following list:

DIG	2949	Internship in Digital Media	3 Credits
GRA	2949	Internship in Computer Graphics	3 Credits

Any ART1### course

Any ART2### course

ART	2941	Art Internship - 1 CR	1 Credits
ART	2949	Art Internship - 3 CR	3 Credits
ART	2950	Travel Study in Art	3 Credits

Any CAP1### course

CAP	1760	Introduction to Data Analytics	3 Credits

Any CAP2### course

CAP	2801	Simulation and Gaming Fundamentals I	3 Credits
CAP	2804	Simulation and Gaming Fundamentals II	3 Credits

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits
COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits
COP	2942	Internship Computer Programming	2 Credits
COP	2949	Internship in Computer Programming	3 Credits

Any DIG1### course

Any DIG2### course

DIG	2000	Introduction to Digital Media	3 Credits
DIG	2251	Audio Production I	3 Credits
DIG	2303	Character Development	3 Credits
DIG	2304	Game Environments	3 Credits

DIG	2341	Motion Graphics I	3 Credits
DIG	2351	2D Animation	3 Credits
DIG	2581	Portfolio Design	4 Credits
DIG	2930	Selected Studies in Digital Media	3 Credits
DIG	2941	Internship in Digital Media	1 Credits
DIG	2942	Internship in Digital Media	2 Credits
DIG	2949	Internship in Digital Media	3 Credits

Any ETD1### course

Any ETD2### course

ETD	2390	Revit I	3 Credits
ETD	2391	Revit II	3 Credits
ETD	2905	Directed Studies in Design	1 Credits
ETD	2930	Selected Studies in Engineering Technologies	3 Credits
ETD	2941	Cooperative Education Internship in Design and Engineering	1 Credits
ETD	2942	Cooperative Education Internship in Design and Engineering	2 Credits
ETD	2949	Cooperative Education Internship in Design and Engineering	3 Credits

Any GRA1### course

Any GRA2### course

GRA	2101	Introduction to Computer Graphics	3 Credits
GRA	2121	Digital Publishing I	3 Credits
GRA	2122	Digital Publishing II	3 Credits
GRA	2124	Layout and Design	3 Credits
GRA	2201	Digital Imaging I	3 Credits
GRA	2206	Typography	3 Credits
GRA	2930	Selected Studies in Computer Graphics	3 Credits
GRA	2931	Selected Studies in Computer Graphics	1 Credits
GRA	2941	Internship in Computer Graphics	1 Credits

GRA	2942	Internship in Computer Graphics		2 Credits
GRA	2949	Internship in Computer Graphics		3 Credits
GRA	2950	Graphic Arts Study Abroad		3 Credits

Any PGY1### course

Any PGY2### course

Any RTV1### course

RTV	1240	Introduction to Audio Production		3 Credits
RTV	1241	Introduction to Television Production II		4 Credits

Any RTV2### course

RTV	2206	Television Directing		3 Credits
RTV	2250	Video Post Production		3 Credits
RTV	2251	Advanced Editing		3 Credits
RTV	2925	TV Workshop		3 Credits
RTV	2930	Selected Studies in Television Production		3 Credits
RTV	2941	Cooperative Education Internship in Radio/TV		1 Credits
RTV	2942	Cooperative Education Internship in Radio/TV		2 Credits
RTV	2949	Cooperative Education Internship in Radio/TV		3 Credits

General Education Courses   15 Credits

Communication General Education Core course

3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Humanities General Education Core course

3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits

MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Natural Science General Education Core course

3 Credits

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits

CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Social Science General Education Core course*

3 Credits

> *** POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.**

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 64

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Engineering Technology
Associate in Science
Major Code: ET-AS CIP: 1615000001

Program Description

The Associate's degree in Engineering Technology offers students a broad foundation in engineering technology and the technical skills needed to support engineering activities, particularly in the design, testing and manufacture of products, systems and devices. Graduates of this program possess the skills necessary to specify, install, test, operate, maintain and document basic mechanical systems. Career opportunities include support operations in manufacturing, plant management, product testing, quality assurance and engineering.

Profession

Engineering Technology is one of the most exciting technical careers. Per Forbes, a Bachelor of Science in Engineering Technology is ranked as the eighth highest paying degree for college graduates. Employment and job opportunities are strong. The business world needs people who can solve problems and get things done. This matches perfectly with Engineering Technology. Engineering technicians may be employed in many different fields of engineering. Civil engineering technicians assist engineers in the planning and design of highways, bridges, utilities, buildings and other major projects. They also help with commercial, residential and land development. Industrial engineering technicians plan ways to effectively use personnel, materials and machines in factories, stores, hospitals repair shops and offices. They may also prepare machinery and equipment layouts, plan work flows, conduct statistical production studies and analyze production costs. Mechanical engineering technicians help mechanical engineers design, develop, test and manufacture industrial machinery, consumer products and other equipment. They may make sketches and rough layouts, record and analyze data, make calculations and estimates and report their findings. For students who are problem solvers and who have a â€œcan doâ€ spirit, Engineering Technology is a great choice.

Career Opportunities

Graduates of this program have a number of employment options such as:
- Electrical Engineering Technician

- Industrial Engineering Technician
- Mechanical Engineering Technician

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Employment in this field is expected to grow by 12 percent (about as fast as average) from now until 2020 (Source: Bureau of Labor Statistics). Per Forbes, a Bachelor of Science in Engineering Technology is the ranked as the eighth highest paying Bachelor's degree for graduates.

Degree Transfer
The A.S. Degree in Engineering Technology will transfer to the Seminole State College's Bachelor of Science in Architectural Engineering Technology or the Bachelor of Science in Construction degrees or may take advantage of university programs in engineering technology.

Certifications
The following industry certifications are related to the education in the A.S. Degree Engineering Technology program:
- Autodesk Certified Professional – Inventor, ADESK024
- Autodesk Certified User – Autodesk Inventor, ADESK011
- MSSC Certified Production Technician (CPT), MSSCN001

Required Courses   44 Credits

COP	1000	Principles of Computer Programming	3 Credits
EET	1015C	Fundamentals of DC Circuits	3 Credits
EET	1035C	Fundamentals of AC/DC Electricity	3 Credits
ETD	1320C	Computer-Aided Design I	3 Credits
ETI	1110	Introduction to Quality	3 Credits
ETI	1420C	Materials and Processes for Engineering Technology	3 Credits
ETI	1701	Safety for Engineering Technologists	3 Credits
ETI	1843C	Motors and Controls	3 Credits

ETM	1010C	Mechanical Measurement and Instrumentation	3 Credits
ETM	2315C	Hydraulic and Pneumatic Systems	3 Credits
EGN	1111C	Engineering Graphics - Drawing	2 Credits
ETS	1535C	Automation and Sensors	3 Credits
ETS	1542C	Programmable Logic Controllers (PLCs)	3 Credits
ETS	2604	Robotics Applications	3 Credits
MTB	1329	Applied Mathematical Concepts for Engineering Technology	3 Credits

General Education Courses   16 Credits

Communication General Education Core course
3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Humanities General Education Core course
3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Social Science General Education Core course*
3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and

an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	(Gen Ed Core) (Civic Lit)	3 Credits
POS	2041H	Honors U.S. Federal Government	(Gen Ed Core) (Civic Lit)	3 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	(Gen Ed Core)	3 Credits
MAC	2311	Analytic Geometry and Calculus I	(Gen Ed Core)	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	(Gen Ed Core)	5 Credits
MGF	1106	College Mathematics	(Gen Ed Core)	3 Credits
MGF	1107	Liberal Arts Mathematics	(Gen Ed Core)	3 Credits
STA	2023	Statistical Methods I	(Gen Ed Core)	3 Credits
STA	2023H	Honors Statistical Methods I	(Gen Ed Core)	3 Credits

Natural Science General Education Core course

4 Credits

PHY	1053C	General Physics I	(Gen Ed Core)	4 Credits

Total Credits: 60

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Industrial Technology Management Associate in Science

Major Code: INDMGT-AS CIP: 1652020501

Program Description

The Industrial Technology Management program is a degree completion program for those with vocational education who want to advance their career by completing a degree. This program will prepare students for first line supervisor and project management roles within their respective fields. Students will earn the 9 credit hour Associate Project Management Technical Certificate as part of the degree.

Students may achieve credit for prior vocational education in one of two ways.

1. Students who have already completed a career certificate (previously named PSAV) of at least 900 hours or an apprenticeship program of at least 3 years at a state technical center or Florida state college will be awarded 24 articulated credits towards the AS Industrial Technology Management degree. Prior to the award of credit, students must successfully complete 15 credits at Seminole State College.
2. Students may also articulate credit into this degree from L3 Commerical Training Systems Airline Academy (formerly AeroSim Flight Academy). Students who have completed the professional pilot program at L3 CTS Airline Academy and have earned their private pilot, commercial pilot, multi-engine, and certified flight instructor certifications shall be awarded 24 credit hours of college credit that can be used to complete this degree.

Students who have accumulated at least 18 semester credit hours in an industrial or technology field and would like to pursue a technical management degree, may also complete this program. In lieu of the articulated 24 credit hours, these students will use their 18 credit hours of industrial or technology coursework and then complete both MTB 1329 and EGN 1111C.

Prior to the start of the degree, eligible students are to contact the designated Career Program Advisor for the Engineering program of the School of Engineering, Design and Construction.

Profession

In vocational trades, plant and manufacturing line supervisors play an important role within their industries. The first line supervisor role within the vocational/industrial trades has been especially hard to fill. These positions require expertise as an industrial/vocational practitioner, as well as key project management skills.

Career Opportunities

Graduates of this program are employed as First Line Supervisors or Managers of Industrial Related Jobs.

- Vocational Trade Supervisor
- Plant/Line Supervisor
- Project Engineer

- Project Manager

For career information related to this program, please visit O*Net OnLine.

Job Outlook
Considered one of Central Florida's high-skill, high-wage professions, employment as the first line supervisors of construction and industrial trades is expected to grow 29.9% (faster than average) through 2020 (Sources: Bureau of Labor Statistics).

Certifications
Graduates of this program may be qualified to earn the following industry certifications:
- Certified Associate in Project Management (CAPM ®)
- Project Management Professional (PMP ®)

Degree Transfer
Seminole State's A.S. Degree in Industrial Technology Management will transfer into the College's B.S. Engineering Technology (project management) degree.

Required Courses   21 Credits

MNA	1032	Principles of Project Management	3 Credits
MNA	1033	Organizational Behavior for Project Teams	3 Credits
MNA	1034	Making Project Decisions	3 Credits
MNA	1035	Introduction to Project Planning	3 Credits
MNA	1036	Project Quality and Risk	3 Credits
CGS	2100C	Computer Applications	3 Credits
CGS	2108C	Advanced Computer Applications	3 Credits

Elective Courses   24 Credits

Choose Option 1 or Option 2

Option 1: Students eligible for the articulated credit after completion of a state approved postsecondary adult certificate or apprenticeship program at a state technical center or Florida state college in an industrial program. Pilot licenses are also eligible for the articulated credit.

24 Credits

Option 2: Students who are not eligible for the articulated credit

24 Credits

EGN	1111C	Engineering Graphics - Drawing	2 Credits

Choose one of the following:

3 Credits

MTB	1329	Applied Mathematical Concepts for Engineering Technology	3 Credits

Any General Education Mathematics course

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	1114	Trigonometry		3 Credits
MAC	1140	Precalculus Algebra		3 Credits
MAC	1147	Precalculus Algebra/Trigonometry		5 Credits
MAC	2233	Concepts of Calculus		3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2312	Analytic Geometry and Calculus II		5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits
STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

19 credit hours from the following programs (6 of the 19 credits must be 2000 level):

- Architectural Engineering Technology
- Computer Aided Drafting and Design
- Construction
- Digital Media

- Engineering Technology
- Information Technology

General Education Courses   15 Credits

Communication General Education Core course

3 Credits

| ENC | 1101 | English I | (Gen Ed Core) | 3 Credits |

Humanities General Education Core course

3 Credits

ARH	1000	Art Appreciation	(Gen Ed Core)	3 Credits
HUM	2020	Experiencing the Humanities	(Gen Ed Core)	3 Credits
HUM	2020H	Honors Experiencing the Humanities	(Gen Ed Core)	3 Credits
LIT	2000	Introduction to Literature	(Gen Ed Core)	3 Credits
MUL	2010	Music Appreciation	(Gen Ed Core)	3 Credits
MUL	2010H	Honors Music Appreciation	(Gen Ed Core)	3 Credits
PHI	2010	Introduction to Philosophy I	(Gen Ed Core)	3 Credits
PHI	2010H	Honors Intro to Philosophy I	(Gen Ed Core)	3 Credits
THE	2000	Theatre Appreciation	(Gen Ed Core)	3 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra	(Gen Ed Core)	3 Credits
MAC	2311	Analytic Geometry and Calculus I	(Gen Ed Core)	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	(Gen Ed Core)	5 Credits
MGF	1106	College Mathematics	(Gen Ed Core)	3 Credits
MGF	1107	Liberal Arts Mathematics	(Gen Ed Core)	3 Credits
STA	2023	Statistical Methods I	(Gen Ed Core)	3 Credits
STA	2023H	Honors Statistical Methods I	(Gen Ed Core)	3 Credits

Natural Science General Education Core course

3 Credits

AST	1002	Introduction to Astronomy	(Gen Ed Core)	3 Credits
AST	1002H	Honors Introduction to Astronomy	(Gen Ed Core)	3 Credits
BSC	1005	Concepts of Biology	(Gen Ed Core)	3 Credits
BSC	1005H	Honors Concepts of Biology	(Gen Ed Core)	3 Credits
BSC	1005C	Concepts of Biology with Lab	(Gen Ed Core)	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	(Gen Ed Core)	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	(Gen Ed Core)	4 Credits
CHM	1020	Chemistry in Everyday Life	(Gen Ed Core)	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	(Gen Ed Core)	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	(Gen Ed Core)	4 Credits
CHM	2045C	General Chemistry I	(Gen Ed Core)	4 Credits
CHM	2045CH	Honors General Chemistry	(Gen Ed Core)	4 Credits
ESC	1000	Introduction to Earth Science	(Gen Ed Core)	3 Credits
EVR	1001	Introduction to Environmental Science	(Gen Ed Core)	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	(Gen Ed Core)	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	(Gen Ed Core)	4 Credits
PHY	1020	Physics of Everyday Phenomena	(Gen Ed Core)	3 Credits
PHY	1053C	General Physics I	(Gen Ed Core)	4 Credits
PHY	2048C	Physics with Calculus I	(Gen Ed Core)	4 Credits

| PHY | 2048CH | Honors Physics with Calculus I | (Gen Ed Core) | 4 Credits |

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

| POS | 2041 | U.S. Federal Government | (Gen Ed Core) (Civic Lit) | 3 Credits |
| POS | 2041H | Honors U.S. Federal Government | (Gen Ed Core) (Civic Lit) | 3 Credits |

Total Credits: 60

Information Systems Technology Associate in Science

Major Code: IST-AS CIP: 1511100112

Program Description

Seminole State's Associate in Science (A.S.) degree in Information Systems Technology provides students the skills and knowledge required to administer and manage local and wide area networks in multiple environments. Students in this high-demand career will have experience in desktops, servers, virtualization, cloud computing and security. The Information Systems Technology A.S. program features four specializations: Cloud Computing, Cyber Security, Microsoft Server Administration and AS to BS (IST).

Cloud Computing Specialization: This specialization provides students with the fundamentals of cloud computing while learning how to work in these environments.

Cyber Security Specialization: This specialization provides students with the principles and best practices in cybersecurity to protect and secure valuable information systems.

Microsoft Server Administration Specialization: This specialization provides students with the skills necessary to operate and manage the server infrastructure in a networked environment.

AS to BS (IST) Specialization: This specialization provides students with the technical background as well as the general education courses needed for the Bachelor of Science in Information Systems Technology.

Profession

Information technology (IT) plays a vital role in nearly every aspect of modern life. IT professionals possess the highly valuable technical skills required to create the software, maintain the computer networks and secure and protect the information that allows companies to be competitive. Consistent demand for the services provided by these specialists has resulted in numerous, highly-lucrative domestic and international career opportunities.

Career Opportunities

Graduates of this program are employed as:
- Network Administrators
- Network Analysts
- Network Designers
- Network Integrators

For career information related to this program, please visit O*Net OnLine.

Job Outlook

Considered one of Central Florida's high-skill, high-wage professions, employment in the IT field is expected to grow by 28 percent (faster than average) through 2020 (Sources: Bureau of Labor Statistics).

College Credit Certificates

Students may complete the following college credit certificates as part of the Information Systems Technology degree:
- IP Communications Technical Certificate
- IT Client Specialist Certificate
- Network and IP Support Specialist Certificate

Certifications

Graduates of this program may be qualified to earn the following industry certifications:
- Cisco Certified Network Associate (CCNA), CISCO004
- Cisco Certified Network Associate Security (CCNA Security), CISCO011

- CompTIA A+, COMPT001
- CompTIA Convergence+, COMPT003
- CompTIA Linux+, COMPT005
- CompTIA Network+, COMPT006
- CompTIA Security +, COMPT008
- Microsoft Certified Solutions Associate (MCSA) – Windows Server, MICRO046
- Microsoft Certified Systems Engineer, MICRO013
- Microsoft Desktop Support Technician, MICRO006
- Professional (MCIT) Server Administrator, MICRO034

Additional industry certifications may be available for college credit certificate programs.

Degree Transfer
Seminole State's A.S. Degree in Information Systems Technology will transfer to the College's B.S. Degree in Information Systems Technology Program.

Required Courses   18 Credits

CET	1178C	Network Computer Maintenance and Repair (A+)	3 Credits
CET	1179	Network Concepts and Operating Systems	3 Credits
CET	1600C	Cisco Introduction to Networks (Net+)	3 Credits
COP	1000	Principles of Computer Programming	3 Credits
CTS	1120	Introduction to Internetworking Security (Security+)	3 Credits
CTS	1168C	Installing and Configuring Windows 10 (70-698 exam)	3 Credits

Elective Courses   18 Credits

Choose 18 credits of elective courses from one of the following specializations:

Cloud Computing Specialization

CTS	2142	Information Technology Project Management	3 Credits
CET	1610C	Switching, Routing, and Wireless Essentials	3 Credits

CTS	2370C	Virtual Infrastructure: Installation and Configuration	3 Credits
CTS	2354C	Installation, Storage, and Compute with Windows Server 2016 (Exam 70-740)	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CET	2762	Amazon Web Services Fundamentals	3 Credits

Cyber Security Specialization

CTS	2142	Information Technology Project Management	3 Credits
CET	1610C	Switching, Routing, and Wireless Essentials	3 Credits
CTS	2317	Advanced Security Certified Ethical Hacker	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CTS	2354C	Installation, Storage, and Compute with Windows Server 2016 (Exam 70-740)	3 Credits
CET	2662	Advances in Cybersecurity	3 Credits

Microsoft Server Administration Specialization

CTS	2142	Information Technology Project Management	3 Credits
CET	1610C	Switching, Routing, and Wireless Essentials	3 Credits
CTS	2354C	Installation, Storage, and Compute with Windows Server 2016 (Exam 70-740)	3 Credits
CTS	2390C	Installing and Configuring Windows Server 2012	3 Credits
CTS	2391C	Administering Windows Server 2012	3 Credits
CTS	2392C	Configuring Advanced Windows Server 2012 Services	3 Credits

AS to BS (IST) Specialization

CGS	2545C	Database Management	3 Credits

Humanities General Education course (Area A)

HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits

HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2022H	Honors Liberal Arts Humanities		3 Credits
HUM	2220	Ancient/Classical Humanities		3 Credits
HUM	2223	Medieval Humanities		3 Credits
HUM	2232	Renaissance/Baroque Humanities		3 Credits
HUM	2234	18th and 19th Century Humanities		3 Credits
HUM	2250	20th/21st Century Humanities		3 Credits
HUM	2250H	Honors 20th/21st Century Humanities		3 Credits
HUM	2322	Women, Gender and Culture		3 Credits
HUM	2322H	Honors Women, Gender and Culture		3 Credits
HUM	2410	Asian Humanities		3 Credits
HUM	2410H	Honors Asian Humanities		3 Credits
HUM	2454	African American Humanities		3 Credits
HUM	2454H	Honors African American Humanities		3 Credits
HUM	2461	Latin American Humanities		3 Credits
HUM	2461H	Honors Latin American Humanities		3 Credits
HUM	2821	LGBTQ Studies in the Humanities		3 Credits
PHI	1630	Contemporary Ethical Problems		3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
REL	2300	Religions of the World		3 Credits

CGS 2901C or any CET, CIS, CNT, COP or CTS prefix course not already required

6 Credits

CGS	2091C	Social, Legal and Ethical Issues in Information Technology	3 Credits

Any CET1### course

CET	1179	Network Concepts and Operating Systems	3 Credits

Any CET2### course

CET	2662	Advances in Cybersecurity	3 Credits
CET	2682	Cisco Voice-Over IP	4 Credits
CET	2762	Amazon Web Services Fundamentals	3 Credits
CET	2941	Cooperative Education Internship in Network Administration	1 Credits
CET	2942	Cooperative Education Internship in Network Administration	2 Credits
CET	2949	Cooperative Education Internship in Network Administration	3 Credits

Any CIS1### course

Any CIS2### course

CIS	2028	Introduction to the IT Industry	3 Credits
CIS	2321	Systems Analysis and Design	3 Credits

Any CNT1### course

CNT	1401	Cybersecurity 101: Living Safely in a Digital World	3 Credits

Any CNT2### course

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits

COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits
COP	2942	Internship Computer Programming	2 Credits
COP	2949	Internship in Computer Programming	3 Credits

Any CTS1### course

CTS	1120	Introduction to Internetworking Security (Security+)	3 Credits

Any CTS2### course

CTS	2142	Information Technology Project Management	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CTS	2317	Advanced Security Certified Ethical Hacker	3 Credits
CTS	2445	Oracle Structured Query Language (SQL)	3 Credits

Social Science General Education Course: ECO 2013 or ECO 2023

ECO	2013	Principles of Economics (MACRO) [Gen Ed Core]	3 Credits
ECO	2023	Principles of Economics (MICRO)	3 Credits

Any General Education course

General Education Courses   24 Credits

Communication General Education Core course

3 Credits

ENC	1101	English I [Gen Ed Core]	3 Credits
SPC	1608	Speech Communication	3 Credits

Mathematics General Education Core course

3 Credits

MAC	1105	College Algebra [Gen Ed Core]	3 Credits

Choose one course from the following list:

3 Credits

MAC	1114	Trigonometry	3 Credits
MAC	1140	Precalculus Algebra	3 Credits
STA	2023	Statistical Methods I [Gen Ed Core]	3 Credits

Or higher level math course

History General Education course

3 Credits

AMH	2010	United States History to 1865	3 Credits
AMH	2010H	Honors United States History to 1865	3 Credits
AMH	2020	United States History 1865 to Present [Gen Ed Core] [Civic Lit]	3 Credits
AMH	2020H	Honors United States History 1865 to Present [Gen Ed Core] [Civic Lit]	3 Credits
AMH	2035	The United States 1945 to Present	3 Credits
AMH	2070	History of Florida	3 Credits
AMH	2090	United States Women's History	3 Credits
AMH	2090H	Honors United States Women's History	3 Credits
AMH	2091	African American History	3 Credits
EUH	2000	Western Civilization to 1600	3 Credits
EUH	2000H	Honors Western Civilization to 1600	3 Credits
EUH	2001	Western Civilization 1600 to Present	3 Credits
EUH	2001H	Honors Western Civilization 1600	3 Credits

		to Present		
HPS	2100H	Honors History Meets Science		3 Credits
LAH	2020	Latin American History		3 Credits
WOH	1022	World History Since 1500		3 Credits
WOH	2232	Survey of Early Christianity		3 Credits

Humanities General Education Core course

3 Credits

Students in the AS to BS IST specialization should take ARH 1000, LIT 2000, MUL 20210, MUL 2010H or THE 2000. These are core courses in Humanities Area B. The Area A requirement should be satisfied in the electives section of the specialization.

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Natural Science General Education Core course

3 Credits

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits
PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits

PHY	2048CH	Honors Physics with Calculus I	(Gen Ed Core)	4 Credits

Total Credits: 60

Interior Design
Associate in Science
Major Code: INTDS-AS CIP: 1450040801

Program Description

Seminole State College's Interior Design program reflects current client needs and trends, such as sustainable design practices, ergonomics, universal design and aging in place. All full-time interior design faculty are Florida-licensed professionals who are actively involved in the industry. The program is nationally recognized, and students have consistently won national and regional industry awards. Students can participate in community projects, visit major construction sites and design centers and join the student chapters of the International Interior Design Association (IIDA) and the United States Green Building Council (USGBC). Once students complete the degree and four years of work experience under a licensed interior designer or architect, they will be eligible to take the National Council for Interior Design Qualification (NCIDQ) exam for state licensure.

Program Admission

How to Apply

- **First-Time College Students**: Apply online to Seminole State College and declare the A.S. in Interior Design as your educational goal. Once you've earned an A.S. in Interior Design, you can apply directly to the bachelor's degree program.
- **Students with an A.A., A.S. or Bachelor's Degree in another field**: Students who have completed an unrelated degree program will be considered but may need additional coursework. To be considered, apply to Seminole State College online by the stated deadlines.
- Contact **Admissions** at 407.708.4550 if you have additional questions about applying to the program.

Degree Transfer

This A.S. degree is transferable into the Bachelor of Applied Science (B.A.S.) in Interior Design offered at Seminole State College.

Profession

Interior design is among the 100 fastest-growing occupations in Florida, growing faster in Central Florida than almost anywhere else in the state.

Career Opportunities

Graduates of Seminole State's Interior Design Program typically find career opportunities in:

- Architectural Layout and Design
- Commercial Interior Design
- Healthcare and Barrier-free Design
- Green/Sustainable Design
- Hospitality and Entertainment Design
- Commercial Kitchen and Restaurant Design
- Educational and Research Design
- Government Facility Interior Design
- Space Planning and Modeling
- Facilities and Project Management
- Residential Interior Design
- Exhibit Design
- Product and Furniture Design
- Sales/Manufacturer Representation
- Set Design
- Luxury Motor Coach and Yacht Design
- Specialty Lighting Design

View Potential Employers and Earnings in the Interior Design Field.

Required Courses   51 Credits

Students must complete all Required Courses with a grade of "C" or higher.

ETD	1320C	Computer-Aided Design I	3 Credits
IND	1100	History of Architecture and Design I	3 Credits
IND	1233C	Studio I: Interior Design Fundamentals	3 Credits
IND	1404C	Technical Design	3 Credits
IND	1422	Interior Finishes and Textiles	3 Credits
IND	1935	Building Codes and Accessibility	3 Credits
IND	2012C	Studio II: Residential Interior Environments	3 Credits

IND	2016C	Studio III: Introduction to Commercial Design	3 Credits
IND	2130	History of Architecture and Design II	3 Credits
IND	2221C	Studio IV: Advanced Commercial Design	3 Credits
IND	2307C	Visual Communication	3 Credits
IND	2321	Design Theory	3 Credits
IND	2461	Building Systems	3 Credits
IND	2462	Revit for Interior Applications	3 Credits
IND	2484C	Construction Documents	3 Credits
IND	2500	Professional Principles and Practices of Interior Design	3 Credits
IND	2622	Sustainability in the Built Environment	3 Credits

Elective Courses   9 Credits

Choose nine credits from the following list:

Design and Art Specialization

ART	1300C	Drawing I	3 Credits
ARC	1301C	Architectural Design	3 Credits
ART	2400C	Printmaking I	3 Credits
ART	2500C	Painting I	3 Credits
IND	2150	Historic Preservation	3 Credits
IND	2290	Autism and the Built Environment	3 Credits
IND	2442	Furniture Design	3 Credits
IND	2514	Public Relations in Interior Design	3 Credits
IND	2523	A.S. Portfolio Design	3 Credits
IND	2930	Selected Studies in Interior Design	3 Credits
IND	2941	Interior Design Internship	1 Credits
IND	2942	Interior Design Internship	2 Credits

IND	2949	Interior Design Internship	3 Credits
IND	2950	Travel Study in Architecture and Interior Design	3 Credits
IND	2951	Service Learning Project	3 Credits
IND	2952	Service Learning Project - Comprehensive	6 Credits
TPA	2180	Themed Environmental Design	3 Credits

Technology Specialization

ETD	1340C	Computer-Aided Design II	3 Credits
ETD	2390	Revit I	3 Credits
ETD	2391	Revit II	3 Credits
GRA	2121	Digital Publishing I	3 Credits
GRA	2151C	Digital Illustration	3 Credits
GRA	2201	Digital Imaging I	3 Credits

Building Construction Specialization

BCN	1221	Introduction to Building Construction	3 Credits
BCN	1303C	Introduction to Building Information Modeling	3 Credits
BCN	2230	Construction Materials and Methods I	3 Credits

General Education Courses   15 Credits

Communication General Education Core course
3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Mathematics General Education Core course
3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits

Humanities General Education Core course

3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits

Natural Science General Education Core course

3 Credits

ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits

Social Science General Education Core course*

3 Credits

> * POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 75

Automotive Engineering Technology Associate of Applied Science

Major Code: AUTO-AAS CIP: 0615080300

Program Description

The SSC Automotive curriculum - accredited by ASE Education Foundation - combines the latest in automotive technology education, relevant industry internships and strong academic coursework to prepare graduates for successful careers in the automotive services industry.

Students in the Automotive Engineering Technology program may focus on two manufacturer specific tracks (GM-ASEP or Ford-ASSET) or take a more generic track with a non-manufacturer specific track (TACT). Students in the

TACT track may be eligible to receive some manufacturer specific training through the Nissan Technician Training Academy (NTTA). With any track, students will acquire important skills related to proper diagnosis and repair of modern technology and alternative-fuel vehicles.

Knowledgeable, experienced faculty members and active industry partnerships ensure that Automotive students receive dynamic training that integrates traditional vehicle technology with emerging alternative-fuel technologies such as hybrid-electric and hydrogen fuel cell.

Candidates must:
- Apply and be accepted to Seminole State College;
- Provide official transcript(s) indicating a standard high school diploma or equivalent;
- Non-exempt students must complete the Postsecondary Education Readiness Test (PERT);
- Be at least 18 years of age prior to first work assignment;
- Possess a valid Florida driver's license and provide current Department of Motor Vehicle (DMV) report;
- Apply to the automotive program by submitting a separate online automotive application and uploading necessary documents through the website www.seminolestate.edu/ssap ;
- EAP students must be 1500 level or higher prior to beginning the program;
- Be able to lift and carry up to 50 pounds.

Profession

Automotive service technicians and mechanics inspect, maintain and repair cars and light trucks. Typically working in well-ventilated and well-lit repair shops, automotive technicians identify and address mechanical problems with a combination of computers and traditional parts and tools.

College Credit Certificates

Students pursuing this degree also may obtain the following college credit certificates:
- Automotive Maintenance and Light Repair
- Automotive Technician

Career Opportunities

Graduates of this program are employed as:
- Automotive parts sales and service representatives
- Automotive technicians
- Automotive technology instructors

For career information related to this program, please visit O*Net OnLine.

Job Outlook

Employment in this field is expected to grow by 17 percent (about as fast as average) through 2020 (Source: Bureau of Labor Statistics).

Certifications

With proper industry work experience, graduates of this program may qualify to earn the following industry certifications:
- ASE Advanced Engine Performance Specialist (L1),
- ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2),
- ASE Automobile/Light Truck Technician: Brakes (A5),
- ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6),
- ASE Automobile/Light Truck Technician: Engine Performance (A9),
- ASE Automobile/Light Truck Technician: Engine Repair (A1), (NIASE010)
- ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7),
- ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3),
- ASE Automobile/Light Truck Technician: Suspension and Steering (A4),
- ASE Automobile Service Consultant (C1),
- ASE Master Automobile Technician,
- ASE Medium/Heavy Truck Technician: Preventive Maintenance Inspection (PMI) (T8)
- ASE Parts Specialist

Required Courses   53 Credits

AER	1073	Applied Concepts in Automotive Electrical/Electronics	2 Credits
AER	1082	Introduction to Vehicle Systems and Minor Service	3 Credits
AER	1197	Engine Diagnoses and Repair	4 Credits

AER	1496	Steering and Suspension Systems	3 Credits
AER	1596C	Brake Systems, Anti-Lock Brakes and Traction Control Systems	4 Credits

Note: AER 1580 and AER 1594 can be used in place of AER 1596C

AER	1602	Electrical/Electronic Systems I	4 Credits
AER	1695	Chassis Electronics	3 Credits
AER	1758	HVAC Systems	4 Credits
AER	2298	Automatic Transmissions/ Transaxles	4 Credits
AER	2398	Manual Transmissions/Drive Trains	3 Credits
AER	2694	Electrical/Electronic Systems II	4 Credits
AER	2820C	Driveability Diagnosis	3 Credits
AER	2840	Engine Control Systems	4 Credits
AER	2870C	Alternative Fuel and Propulsion Systems	3 Credits

AER 29## Cooperative Education Internship in Automotive Technology

5 Credits

A total of 5 co-op credits are required for graduation. These 5 co-op credits may include up to 2 credit hours of AER 2920 Automotive Practicum.

Any AER29## course

AER	2902	Directed Independent Study Automotive	2 Credits
AER	2904	Directed Independent Study Automotive	4 Credits
AER	2905	Directed Independent Study in Automotive	3 Credits
AER	2920	Selected Studies in Automotive - Automotive Practicum	2 Credits
AER	2931	Selected Studies in Automotive - Automotive Practicum	1 Credits
AER	2940	Internship Auto Technology	1 Credits
AER	2941	Internship Auto Technology	1 Credits
AER	2942	Internship Auto Technology	2 Credits
AER	2943	Internship Auto Technology	1 Credits

AER	2949	Internship Auto Technology	3 Credits

General Education Courses   15 Credits

Communication General Education Core course
3 Credits

ENC	1101	English I	Gen Ed Core	3 Credits

Students can satisfy the English Requirement with either ENC 1101 English I or ENC 1102 English II.

Humanities General Education course
3 Credits

ARH	1000	Art Appreciation	Gen Ed Core	3 Credits
HUM	2020	Experiencing the Humanities	Gen Ed Core	3 Credits
HUM	2020H	Honors Experiencing the Humanities	Gen Ed Core	3 Credits
LIT	2000	Introduction to Literature	Gen Ed Core	3 Credits
MUL	2010	Music Appreciation	Gen Ed Core	3 Credits
MUL	2010H	Honors Music Appreciation	Gen Ed Core	3 Credits
PHI	2010	Introduction to Philosophy I	Gen Ed Core	3 Credits
PHI	2010H	Honors Intro to Philosophy I	Gen Ed Core	3 Credits
THE	2000	Theatre Appreciation	Gen Ed Core	3 Credits

Mathematics General Education Core course
3 Credits

MAC	1105	College Algebra	Gen Ed Core	3 Credits
MAC	2311	Analytic Geometry and Calculus I	Gen Ed Core	5 Credits
MAC	2311H	Honors Analytical Geometry and Calculus I	Gen Ed Core	5 Credits
MGF	1106	College Mathematics	Gen Ed Core	3 Credits
MGF	1107	Liberal Arts Mathematics	Gen Ed Core	3 Credits

STA	2023	Statistical Methods I	Gen Ed Core	3 Credits
STA	2023H	Honors Statistical Methods I	Gen Ed Core	3 Credits

Natural Science General Education Core course
3 Credits

AST	1002	Introduction to Astronomy	Gen Ed Core	3 Credits
AST	1002H	Honors Introduction to Astronomy	Gen Ed Core	3 Credits
BSC	1005	Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005H	Honors Concepts of Biology	Gen Ed Core	3 Credits
BSC	1005C	Concepts of Biology with Lab	Gen Ed Core	4 Credits
BSC	1085	Anatomy and Physiology I - Transfer	Gen Ed Core	Credits

BSC 1085 is not offered at Seminole State College of Florida

BSC	2010C	General Biology I	Gen Ed Core	4 Credits
CHM	1020	Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020H	Honors Chemistry in Everyday Life	Gen Ed Core	3 Credits
CHM	1020C	Chemistry in Everyday Life with lab	Gen Ed Core	4 Credits
CHM	2045C	General Chemistry I	Gen Ed Core	4 Credits
CHM	2045CH	Honors General Chemistry	Gen Ed Core	4 Credits
ESC	1000	Introduction to Earth Science	Gen Ed Core	3 Credits
EVR	1001	Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001H	Honors Introduction to Environmental Science	Gen Ed Core	3 Credits
EVR	1001C	Introduction to Environmental Science with lab	Gen Ed Core	4 Credits
PHY	1020	Physics of Everyday Phenomena	Gen Ed Core	3 Credits

PHY	1053C	General Physics I	Gen Ed Core	4 Credits
PHY	2048C	Physics with Calculus I	Gen Ed Core	4 Credits
PHY	2048CH	Honors Physics with Calculus I	Gen Ed Core	4 Credits

Social Science General Education Core course*

3 Credits

* POS 2041 or POS 2041H partially satisfies the Civic Literacy requirement. Students entering the Florida College System for the first time in Fall 2022 or later can satisfy the Civic Literacy requirement by passing a course and an assessment. Refer to the online catalog for assessment options.

POS	2041	U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits
POS	2041H	Honors U.S. Federal Government	Gen Ed Core / Civic Lit	3 Credits

Total Credits: 68

Advanced Computer-Aided Design Technical Certificate

Major Code: CADDADV-CC CIP: 0615130200
Program Description
This advanced program further prepares students for employment as designers/drafters. The program provides students a broad base of advanced drafting/design instruction and its applications in various design professions. Manual and CAD-based training is included. Students who complete this certificate may also pursue the Associate in Science (A.S.) degree in Computer-Aided Drafting and Design at Seminole State.

Required Courses   22 Credits

ARC	1301C	Architectural Design	3 Credits
BCN	2230	Construction Materials and Methods I	3 Credits
BCN	2272	Blueprint Reading	2 Credits
EGN	1111C	Engineering Graphics - Drawing	2 Credits
ETD	1320C	Computer-Aided Design I	3 Credits
ETD	1340C	Computer-Aided Design II	3 Credits

ETD	2390	Revit I	3 Credits
MTB	1329	Applied Mathematical Concepts for Engineering Technology	3 Credits

Note: MAC 1114 or higher level mathematics course may substitute for MTB 1329.

Total Credits: 22

Animation and Visual Effects Technical Certificate

Major Code: MDIMS-CC CIP: 0611080305
Program Description
This program is intended for 3D artists and designers who will use digital and emerging technologies based on the creative convergence of Art, Science and technology for human expression, social communication and interaction. The sequence of courses provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in Arts, A/V Technology and Communication career clusters. The content includes, but is not limited to, 3D modeling, communication skills, illustration, design concepts and theory, production skills, color theories, utilization of computers to produce electronic content, presentation procedures and employability skills.

This certificate is upward compatible with the Digital Design A.S.

Required Courses   15 Credits

GRA	2157C	Fundamentals of Animation	3 Credits
DIG	2030C	Digital Video Fundamentals	3 Credits
DIG	2302C	3D Modeling and Animation I	3 Credits
DIG	2341	Motion Graphics I	3 Credits
GRA	2201	Digital Imaging I	3 Credits

Total Credits: 15

Associate Project Management
Technical Certificate
Major Code: ASCPM-CC CIP: 0652020502
Program Description

The Project Management Certificate Program introduces students to the functional areas of project management, from project initiation through project closure. Students will learn how to create a project scope, create an integrated performance baseline that includes a schedule and time-phased budget and address the quality parameters of the project. The curriculum also reviews human resource management, proper project communication techniques and basic project leadership.

Career Opportunities

- Project manager: In a range of sectors including construction, engineering, healthcare, marketing/advertising, finance/insurance and information systems technology.
- Certified Associate Project Manager (certified by Project Management Institute)

Required Courses   9 Credits

MNA	1032	Principles of Project Management	3 Credits
MNA	1033	Organizational Behavior for Project Teams	3 Credits
MNA	1035	Introduction to Project Planning	3 Credits

Total Credits: 9

Automation
Technical Certificate
Major Code: AUTOMAT-CC CIP: 0615040601
Program Description

This content offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Manufacturing career cluster; provides technical skill proficiency and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills and occupation-specific skills, and knowledge of all aspects of the Manufacturing career cluster. The content includes but is not limited to instruction in maintenance techniques, computer-aided drafting/design skills, technical communications, maintenance and operation of various industrial components, quality control and testing, material handling protocols, and proper usage of tools and instrumentation.

Required Courses   12 Credits

EET	1015C	Fundamentals of DC Circuits	3 Credits
ETS	1542C	Programmable Logic Controllers (PLCs)	3 Credits
ETS	1535C	Automation and Sensors	3 Credits
ETS	2604	Robotics Applications	3 Credits

Total Credits: 12

Automotive Maintenance and Light
Repair
Technical Certificate
Major Code: AUTMLR-CC CIP: 0615080301
Program Description

This certificate prepares students with automotive maintenance and light repair skills. Students may earn this certificate as part of the daytime Automotive Technology A.A.S. degree. This certificate is upward compatible with the A.A.S. degree, Automotive Technology.

Required Courses   24 Credits

AER	1082	Introduction to Vehicle Systems and Minor Service	3 Credits
AER	1197	Engine Diagnoses and Repair	4 Credits
AER	1496	Steering and Suspension Systems	3 Credits
AER	1596C	Brake Systems, Anti-Lock Brakes and Traction Control Systems	4 Credits

Note: AER 1580 and AER 1594 can be used in place of AER 1596C

AER	1602	Electrical/Electronic Systems I	4 Credits
AER	1758	HVAC Systems	4 Credits

Any AER29## course   2 Credits

AER	2902	Directed Independent Study Automotive	2 Credits
AER	2904	Directed Independent Study Automotive	4 Credits
AER	2905	Directed Independent Study in Automotive	3 Credits
AER	2920	Selected Studies in Automotive - Automotive Practicum	2 Credits
AER	2931	Selected Studies in Automotive - Automotive Practicum	1 Credits
AER	2940	Internship Auto Technology	1 Credits
AER	2941	Internship Auto Technology	1 Credits
AER	2942	Internship Auto Technology	2 Credits
AER	2943	Internship Auto Technology	1 Credits
AER	2949	Internship Auto Technology	3 Credits

Total Credits: 24

Automotive Technician Technical Certificate

Major Code: AUTOT-CC CIP: 0615080302
Program Description
This certificate may be earned as part of the Automotive Service Technology A.A.S. degree.

Required Courses   44 Credits

AER	1073	Applied Concepts in Automotive Electrical/Electronics	2 Credits
AER	1082	Introduction to Vehicle Systems and Minor Service	3 Credits
AER	1602	Electrical/Electronic Systems I	4 Credits
AER	1596C	Brake Systems, Anti-Lock Brakes and Traction Control Systems	4 Credits

Note: AER 1580 and AER 1594 can be used in place of AER 1596C

AER	1197	Engine Diagnoses and Repair	4 Credits
AER	1496	Steering and Suspension Systems	3 Credits
AER	1758	HVAC Systems	4 Credits
AER	2298	Automatic Transmissions/ Transaxles	4 Credits

AER	2840	Engine Control Systems	4 Credits
AER	2694	Electrical/Electronic Systems II	4 Credits
AER	2398	Manual Transmissions/Drive Trains	3 Credits
AER	1695	Chassis Electronics	3 Credits

AER 29## Cooperative Education Internship in Automotive Technology

Note: These AER 29## credits may include AER 2920 Automotive Practicum

2 Credits

Any AER29## course

AER	2902	Directed Independent Study Automotive	2 Credits
AER	2904	Directed Independent Study Automotive	4 Credits
AER	2905	Directed Independent Study in Automotive	3 Credits
AER	2920	Selected Studies in Automotive - Automotive Practicum	2 Credits
AER	2931	Selected Studies in Automotive - Automotive Practicum	1 Credits
AER	2940	Internship Auto Technology	1 Credits
AER	2941	Internship Auto Technology	1 Credits
AER	2942	Internship Auto Technology	2 Credits
AER	2943	Internship Auto Technology	1 Credits
AER	2949	Internship Auto Technology	3 Credits

Total Credits: 44

Building Construction Technology Technical Certificate

Major Code: BLDCN-CC CIP: 0615100103
Program Description
Over the next decade, the increase of construction activity of new residences, office buildings, hospitals, schools and other structures will be the result of economic and population growth. Employment of construction and related occupations has a projected growth of ten percent. The Building Construction Technical Certificate prepares individuals for an entry-level position in the construction management, home building/ contractor, architecture or engineering fields. The

program focuses on fundamental knowledge, skills and aptitudes in building science, construction materials and methods and estimating. Electives within the certificate allow individuals to tailor his or her career pathway with additional skillsets. This certificate is upward compatible with the A.S. degree in Construction Management.

Required Courses   15 Credits

BCN	1221	Introduction to Building Construction	3 Credits
BCN	1270C	Graphic Communication in Construction	3 Credits
BCN	2230	Construction Materials and Methods I	3 Credits
BCN	2721	Construction Scheduling and Planning	3 Credits
BCT	2770	Estimating Fundamentals	3 Credits

Elective Courses   3 Credits

Choose one 3 credit course from the following list:

BCN	1303C	Introduction to Building Information Modeling	3 Credits
BCN	2272	Blueprint Reading	2 Credits
BCN	2320	Office Computer Applications for Contractors	3 Credits
BCN	2941	Construction Management Internship	1 Credits
BCT	1763	Work Place Safety	3 Credits
ETD	1320C	Computer-Aided Design I	3 Credits

Total Credits: 18

Computer Aided Design Technical Certificate

Major Code: CADD-CC CIP: 0615130204
Program Description
This certificate prepares students for employment as a junior designers/drafters. The program provides students an introduction to drafting instruction and its application in various design professions. Students who complete this certificate may also pursue the Advanced Computer-Aided Design Technical certificate or the Associate in

Science (A.S.) degree in Computer-Aided Drafting and Design at Seminole State.

Required Courses   14 Credits

ARC	1301C	Architectural Design	3 Credits
MTB	1329	Applied Mathematical Concepts for Engineering Technology	3 Credits

Note: MAC 1114 or higher level mathematics course may substitute for MTB 1329.

EGN	1111C	Engineering Graphics - Drawing	2 Credits
ETD	1320C	Computer-Aided Design I	3 Credits
ETD	1340C	Computer-Aided Design II	3 Credits

Total Credits: 14

Computer Programming Technical Certificate

Major Code: COMPR-CC CIP: 0511020200
Program Description
This program provides the specialized training needed to develop and enhance occupational proficiency. Graduates qualify for employment as entry-level computer programmers or programmer-trainees. The highly abstract nature of systems and programming requires strong logical and creative abilities. This certificate is upward compatible with the A.S. degree, Computer Programming and Analysis.

Required Courses   27 Credits

CET	1179	Network Concepts and Operating Systems	3 Credits
CGS	2545C	Database Management	3 Credits
CIS	2321	Systems Analysis and Design	3 Credits
COP	1000	Principles of Computer Programming	3 Credits
COP	2830	Web Programming I	3 Credits
CTS	2445	Oracle Structured Query Language (SQL)	3 Credits

COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits

Choose one course:

CGS	2100C	Computer Applications	3 Credits
CIS	2028	Introduction to the IT Industry	3 Credits

Elective Courses   6 Credits

Choose six credits from the following list:

COP	2836	Web Programming II	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2047	Python Programming	3 Credits

Total Credits: 33

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Computer Programming Specialist Technical Certificate

Major Code: CPRSP-CC CIP: 0511020103
Program Description
This certificate prepares students for employment as entry-level programmers. The curriculum prepares students to analyze business situations, design, develop and write computer programs and analyze problems using logic and analysis tools. The program supports online or classroom training for a flexible training schedule. This certificate is upward compatible with the A.S. degree, Computer Programming and Analysis.

Required Courses   15 Credits

CET	1179	Network Concepts and Operating Systems	3 Credits
CGS	2545C	Database Management	3 Credits
COP	1000	Principles of Computer Programming	3 Credits
COP	2800	Programming in Java	3 Credits

Choose one course from the following list:

CGS	2100C	Computer Applications	3 Credits

CIS	2028	Introduction to the IT Industry	3 Credits

Elective Courses   3 Credits

Choose one course from the following list:

COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2047	Python Programming	3 Credits

Total Credits: 18

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Computer Repair and Installation Technical Certificate

Major Code: COMRI-CC CIP: 0647010406
Program Description
This certificate prepares students for employment as computer engineering technicians and in related occupations in electronics and information technology. Emphasis is placed on how to install, configure, upgrade, troubleshoot and repair computers. This certificate is upward compatible with the A.S. degree, Information Systems Technology.

Required Courses   18 Credits

CET	1178C	Network Computer Maintenance and Repair (A+)	3 Credits
CET	1179	Network Concepts and Operating Systems	3 Credits
CTS	1120	Introduction to Internetworking Security (Security+)	3 Credits
CTS	1168C	Installing and Configuring Windows 10 (70-698 exam)	3 Credits
CTS	2142	Information Technology Project Management	3 Credits

Any CET, CIS, COP or CTS prefix course not already required

3 Credits

Any CET1### course

CET	1179	Network Concepts and Operating Systems	3 Credits

Any CET2### course

CET	2662	Advances in Cybersecurity	3 Credits

CET	2682	Cisco Voice-Over IP	4 Credits
CET	2762	Amazon Web Services Fundamentals	3 Credits
CET	2941	Cooperative Education Internship in Network Administration	1 Credits
CET	2942	Cooperative Education Internship in Network Administration	2 Credits
CET	2949	Cooperative Education Internship in Network Administration	3 Credits

Any CIS1### course

Any CIS2### course

CIS	2028	Introduction to the IT Industry	3 Credits
CIS	2321	Systems Analysis and Design	3 Credits

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits
COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits
COP	2942	Internship Computer	2 Credits

		Programming	
COP	2949	Internship in Computer Programming	3 Credits

Any CTS1### course

CTS	1120	Introduction to Internetworking Security (Security+)	3 Credits

Any CTS2### course

CTS	2142	Information Technology Project Management	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CTS	2317	Advanced Security Certified Ethical Hacker	3 Credits
CTS	2445	Oracle Structured Query Language (SQL)	3 Credits

Total Credits: 18

Cybersecurity Technical Certificate

Major Code: NTWKSEC-CC CIP: 0511100118

Program Description

The organization of today must be prepared to defend against the onslaught of threats in cyberspace and rely on trained professionals for assistance. With the Cybersecurity Technical Certificate from Seminole State, you will be a security professional armed with the knowledge and skills to protect valuable assets. You will also have the knowledge to pursue industry certifications that will make you marketable and essential to businesses, both large and small.

Required Courses   20 Credits

CTS	1120	Introduction to Internetworking Security (Security+)	3 Credits
CET	1179	Network Concepts and Operating Systems	3 Credits
CTS	2317	Advanced Security Certified Ethical Hacker	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CTS	2354C	Installation, Storage, and Compute with Windows Server 2016 (Exam 70-740)	3 Credits
CET	2662	Advances in Cybersecurity	3 Credits

Any CET, CIS, COP or CTS prefix course not already required.

2 Credits

Any CET1### course

CET	1179	Network Concepts and Operating Systems	3 Credits

Any CET2### course

CET	2662	Advances in Cybersecurity	3 Credits
CET	2682	Cisco Voice-Over IP	4 Credits
CET	2762	Amazon Web Services Fundamentals	3 Credits
CET	2941	Cooperative Education Internship in Network Administration	1 Credits
CET	2942	Cooperative Education Internship in Network Administration	2 Credits
CET	2949	Cooperative Education Internship in Network Administration	3 Credits

Any CIS1### course

Any CIS2### course

CIS	2028	Introduction to the IT Industry	3 Credits
CIS	2321	Systems Analysis and Design	3 Credits

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits
COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits
COP	2942	Internship Computer Programming	2 Credits
COP	2949	Internship in Computer Programming	3 Credits

Any CTS1### course

CTS	1120	Introduction to Internetworking Security (Security+)	3 Credits

Any CTS2### course

CTS	2142	Information Technology Project Management	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CTS	2317	Advanced Security Certified Ethical Hacker	3 Credits
CTS	2445	Oracle Structured Query Language (SQL)	3 Credits

Total Credits: 20

Digital Media Content Developer Technical Certificate

Major Code: DIGMM-CC CIP: 0610010507

Program Description

The goal of this program is to prepare students for initial employment as a digital media/multimedia production technician, digital media/multimedia developer, or to provide supplemental training for persons previously or currently employed in these or related occupations. Graduates of this certificate program could potentially obtain entry positions as a graphic artist technician, animation/gaming/ simulation technician, digital video production technician, or Web design technician. All courses in this program can be used in pursuit of the college's Digital Media Associate in Science degree.

Required Courses   15 Credits

DIG	1105C	Social Media Tools	3 Credits
DIG	2000	Introduction to Digital Media	3 Credits
DIG	2030C	Digital Video Fundamentals	3 Credits
DIG	2341	Motion Graphics I	3 Credits
GRA	2201	Digital Imaging I	3 Credits

Total Credits: 15

Digital and Interactive Media Design Technical Certificate

Major Code: GRDIG-CC CIP: 0609070209
Program Description
This certificate provides students a gateway to a more focused study in the various media that constitute digital and interactive media. The approach is one that introduces students to a range of different media and approaches. Students will learn the historical background of this medium and how it has evolved over time. Students will focus on the technical aspects of digital media production including protocols, file formats, image processing and delivery. This certificate is upward compatible with the A.S. degree, Digital Design or A.S. Digital Cinema and Television Production Associate in Science. This certificate also directly transfers to UCF.

Required Courses   12 Credits

DIG	2000	Introduction to Digital Media	3 Credits
DIG	2030C	Digital Video Fundamentals	3 Credits
DIG	2109C	Design Fundamentals	3 Credits
DIG	2500C	Fundamentals of Interactive Design	3 Credits

Total Credits: 12

Engineering Technology Support Specialist
Technical Certificate

Major Code: ETSUPP-CC CIP: 0615000007
Program Description
This program is designed to prepare students for employment in a variety of manufacturing environments. The certificate is upward compatible with the A.S. degree, Engineering Technology. Associate in Science students completing the courses listed below are eligible for this certificate.

Required Courses   18 Credits

EET	1015C	Fundamentals of DC Circuits	3 Credits
ETD	1320C	Computer-Aided Design I	3 Credits
ETI	1110	Introduction to Quality	3 Credits
ETI	1420C	Materials and Processes for Engineering Technology	3 Credits
ETI	1701	Safety for Engineering Technologists	3 Credits
ETM	1010C	Mechanical Measurement and Instrumentation	3 Credits

Total Credits: 18

Graphic Design Content Developer Technical Certificate

Major Code: DIGSP-CC CIP: 0611080302
Program Description
This certificate focuses on creating powerful visual design through the development of students' technical skills and creative artistry. Students also learn the professional applications of digital imaging software (Adobe Photoshop) and vector drawing software (Adobe Illustrator) used within the field of digital art. Course projects focus on design techniques, digital illustration, photo compositing, image correction, photographic retouching and restoration, concept development, information design and corporate identity. This certificate is upward compatible with the A.S. degree, Digital Design.

Required Courses   15 Credits

DIG	2000	Introduction to Digital Media	3 Credits
DIG	2109C	Design Fundamentals	3 Credits
GRA	2151C	Digital Illustration	3 Credits
GRA	2201	Digital Imaging I	3 Credits
GRA	2121	Digital Publishing I	3 Credits

Total Credits: 15

Graphic Design Production Artist Technical Certificate

Major Code: DIGPR-CC CIP: 0611080303
Program Description

This certificate focuses on the concepts and software used within the field of desktop publishing to design a variety of materials including brochures, calendars, packaging, books, business cards and advertisements. Course projects focus on formatting pages, assigning character-type characteristics, design techniques, preparing for print, color separations, long document layout, digital imaging, digital illustration, concept development, information design and corporate identity. This certificate is upward compatible with the A.S. degree, Digital Design.

Required Courses   24 Credits

DIG	2000	Introduction to Digital Media	3 Credits
DIG	2109C	Design Fundamentals	3 Credits
DIG	2500C	Fundamentals of Interactive Design	3 Credits
GRA	2121	Digital Publishing I	3 Credits
GRA	2122	Digital Publishing II	3 Credits
GRA	2151C	Digital Illustration	3 Credits
GRA	2152C	Digital Illustration II	3 Credits
GRA	2206	Typography	3 Credits
			Total Credits: 24

IT Client Specialist Certificate Technical Certificate

Major Code: WLADV-CC CIP: 0615030508
Program Description

This program provides students with the knowledge necessary to provide technical support in a variety of information technology client environments. The certificate is upward compatible with the Associate in Science (A.S.) degree, Information Systems Technology.

Required Courses   18 Credits

CET	1178C	Network Computer Maintenance and Repair (A+)	3 Credits
CET	1179	Network Concepts and Operating Systems	3 Credits
CET	1600C	Cisco Introduction to Networks (Net+)	3 Credits
COP	1000	Principles of Computer Programming	3 Credits
CTS	1168C	Installing and Configuring Windows 10 (70-698 exam)	3 Credits

Any CET, CGS, COP or CTS prefix course not already required

3 Credits

Any CET1### course

CET	1179	Network Concepts and Operating Systems	3 Credits

Any CET2### course

CET	2662	Advances in Cybersecurity	3 Credits
CET	2682	Cisco Voice-Over IP	4 Credits
CET	2762	Amazon Web Services Fundamentals	3 Credits
CET	2941	Cooperative Education Internship in Network Administration	1 Credits
CET	2942	Cooperative Education Internship in Network Administration	2 Credits
CET	2949	Cooperative Education Internship in Network Administration	3 Credits

Any CGS1### course

Any CGS2### course

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits

COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits
COP	2942	Internship Computer Programming	2 Credits
COP	2949	Internship in Computer Programming	3 Credits

Any CTS1### course

CTS	1120	Introduction to Internetworking Security (Security+)	3 Credits

Any CTS2### course

CTS	2142	Information Technology Project Management	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CTS	2317	Advanced Security Certified Ethical Hacker	3 Credits
CTS	2445	Oracle Structured Query Language (SQL)	3 Credits

Total Credits: 18

Information Technology Analysis Technical Certificate

Major Code: ITANA-CC CIP: 0511010312

Program Description

This certificate prepares students for employment as computer support specialists, help desk specialists, user support analysts, applications system specialists, information systems specialists, computer sales persons, office systems support specialists, website support or software testers. It also provides supplemental training for persons previously or currently employed in these occupations.

The curriculum prepares students to review operating systems, software applications packages and hardware to select the appropriate information technology equipment for a computer-based work environment. Students also learn how to install and troubleshoot information technology equipment and support information technology users. This certificate is upward compatible with the A.S. degree, Computer Programming and Analysis.

Required Courses   24 Credits

CET	1179	Network Concepts and Operating Systems	3 Credits
CGS	2545C	Database Management	3 Credits
COP	1000	Principles of Computer Programming	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2800	Programming in Java	3 Credits
CAP	1760	Introduction to Data Analytics	3 Credits

Any CAP, CET, CGS, COP or CTS prefix course not already required

3 Credits

Any CAP1### course

CAP	1760	Introduction to Data Analytics	3 Credits

Any CAP2### course

CAP	2801	Simulation and Gaming Fundamentals I	3 Credits
CAP	2804	Simulation and Gaming Fundamentals II	3 Credits

Any CET1### course

CET	1179	Network Concepts and Operating Systems	3 Credits

Any CET2### course

CET	2662	Advances in Cybersecurity	3 Credits
CET	2682	Cisco Voice-Over IP	4 Credits
CET	2762	Amazon Web Services Fundamentals	3 Credits
CET	2941	Cooperative Education Internship in Network Administration	1 Credits

CET	2942	Cooperative Education Internship in Network Administration	2 Credits
CET	2949	Cooperative Education Internship in Network Administration	3 Credits

Any CGS1### course

Any CGS2### course

Any COP1### course

COP	1000	Principles of Computer Programming	3 Credits
COP	1250	Computer Programming Fundamentals	3 Credits

Any COP2### course

COP	2047	Python Programming	3 Credits
COP	2224	C++ Programming	3 Credits
COP	2360	C# Programming	3 Credits
COP	2800	Programming in Java	3 Credits
COP	2805	Advanced Java Programming	3 Credits
COP	2822	Web Applications	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits
COP	2836	Web Programming II	3 Credits
COP	2930	Selected Topics In Computer Programming	3 Credits
COP	2931	Selected Topics in Computer Programming	1 Credits
COP	2941	Internship in Computer Programming	1 Credits
COP	2942	Internship Computer Programming	2 Credits
COP	2949	Internship in Computer Programming	3 Credits

Any CTS1### course

CTS	1120	Introduction to Internetworking Security (Security+)	3 Credits

Any CTS2### course

CTS	2142	Information Technology Project Management	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CTS	2317	Advanced Security Certified Ethical Hacker	3 Credits
CTS	2445	Oracle Structured Query Language (SQL)	3 Credits

Choose one course:

3 Credits

CGS	2100C	Computer Applications	3 Credits
CIS	2028	Introduction to the IT Industry	3 Credits

General Education Courses 3 Credits

SPC	1608	Speech Communication	3 Credits

Total Credits: 27

Mechatronics
Technical Certificate

Major Code: MECHAT–CC CIP: 0615000013

Program Description

This program is designed to prepare students for employment in a variety of manufacturing environments. The 30–hour College Credit certificate includes 18 required credits and 12 elective credits and is designed to build upon the Engineering Technology Support Specialist Certificate. It is also upward compatible with the A.S. degree, Engineering Technology. Associate in Science students completing the courses listed below are eligible for this certificate.

Required Courses 18 Credits

EET	1015C	Fundamentals of DC Circuits	3 Credits
EET	1035C	Fundamentals of AC/DC Electricity	3 Credits
ETI	1843C	Motors and Controls	3 Credits
ETM	2315C	Hydraulic and Pneumatic Systems	3 Credits
ETS	1542C	Programmable Logic Controllers (PLCs)	3 Credits

| MTB | 1329 | Applied Mathematical Concepts for Engineering Technology | 3 Credits |

Elective Courses   12 Credits

Choose 12 credits from the following list:

EGN	1111C	Engineering Graphics - Drawing	2 Credits
EGS	2931	Selected Studies in Engineering	1 Credits
ETD	1320C	Computer-Aided Design I	3 Credits
ETI	1110	Introduction to Quality	3 Credits
ETI	1420C	Materials and Processes for Engineering Technology	3 Credits
ETI	1701	Safety for Engineering Technologists	3 Credits
ETM	1010C	Mechanical Measurement and Instrumentation	3 Credits

Total Credits: 30

Network Infrastructure Technical Certificate

Major Code: NWINF-CC CIP: 0511100114

Program Description

This program is designed to prepare students for employment in the networking technology field. The coursework for this certificate prepares students to take the CISCO Certified Networking Associate (CCNA) certification exam. This certificate is upward compatible with the A.S. degree, Information Systems Technology.

Required Courses   16 Credits

CET	1600C	Cisco Introduction to Networks (Net+)	3 Credits
CET	1610C	Switching, Routing, and Wireless Essentials	3 Credits
CTS	2370C	Virtual Infrastructure: Installation and Configuration	3 Credits

Choose one course:

| CET | 2615C | Enterprise Networking, Security, and Automation | 3 Credits |
| CTS | 2354C | Installation, Storage, and Compute with Windows Server 2016 (Exam 70-740) | 3 Credits |

Any CET, CIS or CTS prefix course not already required

4 Credits

Any CET1### course

| CET | 1179 | Network Concepts and Operating Systems | 3 Credits |

Any CET2### course

CET	2662	Advances in Cybersecurity	3 Credits
CET	2682	Cisco Voice-Over IP	4 Credits
CET	2762	Amazon Web Services Fundamentals	3 Credits
CET	2941	Cooperative Education Internship in Network Administration	1 Credits
CET	2942	Cooperative Education Internship in Network Administration	2 Credits
CET	2949	Cooperative Education Internship in Network Administration	3 Credits

Any CIS1### course

Any CIS2### course

| CIS | 2028 | Introduction to the IT Industry | 3 Credits |
| CIS | 2321 | Systems Analysis and Design | 3 Credits |

Any CTS1### course

| CTS | 1120 | Introduction to Internetworking Security (Security+) | 3 Credits |

Any CTS2### course

CTS	2142	Information Technology Project Management	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CTS	2317	Advanced Security Certified Ethical Hacker	3 Credits
CTS	2445	Oracle Structured Query Language (SQL)	3 Credits

Total Credits: 16

Network Server Administration Technical Certificate

Major Code: NSADM-CC CIP: 0511100112

Program Description

This program provides students with the skills to successfully manage and troubleshoot the Microsoft system environment including administering and managing complex local and wide area networks. The certificate prepares students for roles as network administrators, network designers, network integrators and network analysts in the enterprise environment. This certificate is upward compatible with the A.S. degree, Information Systems Technology.

Required Courses   24 Credits

CET	1178C	Network Computer Maintenance and Repair (A+)	3 Credits
CET	1179	Network Concepts and Operating Systems	3 Credits
CTS	2390C	Installing and Configuring Windows Server 2012	3 Credits
CTS	2392C	Configuring Advanced Windows Server 2012 Services	3 Credits
CTS	2391C	Administering Windows Server 2012	3 Credits
CTS	1168C	Installing and Configuring Windows 10 (70-698 exam)	3 Credits

Any CET, CIS or CTS prefix course not already required

6 Credits

Any CET1### course

CET	1179	Network Concepts and Operating Systems	3 Credits

Any CET2### course

CET	2662	Advances in Cybersecurity	3 Credits
CET	2682	Cisco Voice-Over IP	4 Credits
CET	2762	Amazon Web Services Fundamentals	3 Credits
CET	2941	Cooperative Education Internship in Network Administration	1 Credits
CET	2942	Cooperative Education Internship in Network Administration	2 Credits
CET	2949	Cooperative Education Internship in Network Administration	3 Credits

Any CIS1### course

Any CIS2### course

CIS	2028	Introduction to the IT Industry	3 Credits
CIS	2321	Systems Analysis and Design	3 Credits

Any CTS1### course

CTS	1120	Introduction to Internetworking Security (Security+)	3 Credits

Any CTS2### course

CTS	2142	Information Technology Project Management	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CTS	2317	Advanced Security Certified Ethical Hacker	3 Credits
CTS	2445	Oracle Structured Query Language (SQL)	3 Credits

Total Credits: 24

Network Support Technician Technical Certificate

Major Code: NWSPT-CC CIP: 0511100121

Program Description

This program provides students with the skills to support complex local area networks as well as wide area networks. Graduates qualify for roles as computer support specialists, network support technicians and network analysts. This certificate is upward compatible with the A.S. degree, Information Systems Technology and the A.S. degree, Information Systems Technology.

Required Courses   15 Credits

CET	1178C	Network Computer Maintenance and Repair (A+)	3 Credits
CET	1179	Network Concepts and Operating Systems	3 Credits
CET	1600C	Cisco Introduction to Networks (Net+)	3 Credits
CET	1610C	Switching, Routing, and Wireless Essentials	3 Credits
CTS	1168C	Installing and Configuring Windows 10 (70-698 exam)	3 Credits

Elective Courses   6 Credits

Any CET, CIS or CTS prefix course not already required

Any CET1### course

CET	1179	Network Concepts and Operating Systems	3 Credits

Any CET2### course

CET	2662	Advances in Cybersecurity	3 Credits
CET	2682	Cisco Voice-Over IP	4 Credits
CET	2762	Amazon Web Services Fundamentals	3 Credits
CET	2941	Cooperative Education Internship in Network Administration	1 Credits
CET	2942	Cooperative Education Internship in Network Administration	2 Credits
CET	2949	Cooperative Education Internship in Network Administration	3 Credits

Any CIS1### course

Any CIS2### course

CIS	2028	Introduction to the IT Industry	3 Credits
CIS	2321	Systems Analysis and Design	3 Credits

Any CTS1### course

CTS	1120	Introduction to Internetworking Security (Security+)	3 Credits

Any CTS2### course

CTS	2142	Information Technology Project Management	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CTS	2317	Advanced Security Certified Ethical Hacker	3 Credits
CTS	2445	Oracle Structured Query Language (SQL)	3 Credits

Total Credits: 21

Residential Staging Specialist Technical Certificate

Major Code: INTRS–CC CIP: 0450040807
Program Description
This program introduces students to the fundamentals of interior design principles and theories, spatial relationships and furniture placement, color scheme development and the materials necessary to create visual appeal to home buyers. The program focuses on knowledge, visual communication skills and aptitudes essential in home staging and residential interior design industries. Students may also be introduced to standard business practices of the profession, including preparation of contracts for basic interior design services, fee structures and business development. Electives within the certificate allow individuals to tailor his or her career pathway with additional skillsets. This certificate program is upward compatible with the A.S. degree, Interior Design Technology. **Note: IND 1200 is not part of the A.S. degree requirements.**

Career Opportunities
- Home Staging Specialist (Works with realtors to prepare properties for sale. Realtors have also taken this certificate.)
- Home Stylists: Multi-family (townhomes, condo sales)/Home Builders; Model Homes
- Visual Merchandisers

Required Courses   12 Credits

IND	1100	History of Architecture and Design I	3 Credits
IND	1422	Interior Finishes and Textiles	3 Credits

Choose one course from the following list:

Note: Interior Design A.S. degree-seeking students should take IND 1233C.

IND	1200	Decorating Tips and Tricks	3 Credits
IND	1233C	Studio I: Interior Design Fundamentals	3 Credits

Choose one course from the following list:

Note: Interior Design A.S. degree-seeking students should take IND 2500.

IND	2150	Historic Preservation	3 Credits
IND	2290	Autism and the Built Environment	3 Credits
IND	2463	Introduction to 2020 Software	3 Credits

IND	2500	Professional Principles and Practices of Interior Design	3 Credits
IND	2514	Public Relations in Interior Design	3 Credits
IND	2622	Sustainability in the Built Environment	3 Credits
IND	2930	Selected Studies in Interior Design	3 Credits
ARC	1301C	Architectural Design	3 Credits

Total Credits: 12

Social Media Development
Technical Certificate
Major Code: MMWEB-CC CIP: 0650010208
Program Description
This certificate prepares students for employment as entry level Social Media managers or Web Production artists. It also provides supplemental training to persons currently employed in the occupation. Students will design, develop, and market digital media applications for Web media including social media, mobile development, video and audio. This certificate is upward compatible with the A.S. degree, Digital Media or the A.S. degree, Social Media and Marketing.

Required Courses   15 Credits

DIG	1105C	Social Media Tools	3 Credits
DIG	2500C	Fundamentals of Interactive Design	3 Credits
DIG	2030C	Digital Video Fundamentals	3 Credits
MAR	1720	Social Media Research and Strategy	3 Credits
MAR	2011	Marketing	3 Credits

Total Credits: 15

Sustainability
Technical Certificate
Major Code: ENRG-CC CIP: 0615170100
Program Description
Business and industry are witnessing a growing demand for candidates with technical literacy in alternative energy sources and sustainable practices. The Sustainability Certificate program at Seminole State introduces students to emerging technologies related to energy production and consumption via a curriculum designed to integrate a broad spectrum of topics applicable to future green jobs.

This program features a multi-faceted core curriculum focused on sustainability, alternative energy sources and environmental policy in the United States. Additional elective courses give students the opportunity to customize their knowledge base with hands-on lab work and real-world applications.

Required Courses   12 Credits

ETP	2502	Alternative Energy Sources	3 Credits
ETP	2910C	Projects in Sustainability	3 Credits

Choose one course:

PSC	2521	Sustainability: Concepts and Issues	3 Credits
PUP	2230	Energy and Environmental Policy	3 Credits

Choose one course:

AER	1602	Electrical/Electronic Systems I	4 Credits
EET	1035C	Fundamentals of AC/DC Electricity	3 Credits
ETP	2410	Solar Photovoltaic (PV) Systems	3 Credits

Elective Courses   6 Credits

Choose courses from the following list or any required courses not already taken:

AER	2870C	Alternative Fuel and Propulsion Systems	3 Credits
BCN	1579	Tiny House Living: Less is More	3 Credits
BCN	2599	Green Building and Energy Efficiency	3 Credits
ETP	2050	Energy Analysis	3 Credits
ETP	2420	Solar Thermal Systems	3 Credits
IND	2622	Sustainability in the Built Environment	3 Credits
MAN	2060	Sustainable Business	3 Credits

Students can take one of the courses listed below as one of their elective

options:

BSC	1050	Biology and Environment	3 Credits
EVR	1001	Introduction to Environmental Science	3 Credits

Total Credits: 18

Virtualization and Cloud Computing Technical Certificate

Major Code: NWKVIR–CC CIP: 0511100116
Program Description
The organization of today must be able to adapt quickly to the needs of the market. Virtualization and Cloud Computing technologies allow businesses to pivot to new demands as well as to reduce costs. With the Virtualization and Cloud Computing Technical Certificate from Seminole State, you will learn to install and administer a network of virtual computers along with cloud computing resources. You will also have the knowledge to pursue industry certifications that will make you marketable and essential to businesses, both large and small.

Required Courses   24 Credits

CET	1178C	Network Computer Maintenance and Repair (A+)	3 Credits
CET	1179	Network Concepts and Operating Systems	3 Credits
CTS	2370C	Virtual Infrastructure: Installation and Configuration	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CTS	2354C	Installation, Storage, and Compute with Windows Server 2016 (Exam 70-740)	3 Credits
CET	2762	Amazon Web Services Fundamentals	3 Credits

Any CET, CIS or CTS prefix course not already required

6 Credits

CTS 1120 is strongly recommended

Any CET1### course

CET	1179	Network Concepts and Operating Systems	3 Credits

Any CET2### course

CET	2662	Advances in Cybersecurity	3 Credits

CET	2682	Cisco Voice-Over IP	4 Credits
CET	2762	Amazon Web Services Fundamentals	3 Credits
CET	2941	Cooperative Education Internship in Network Administration	1 Credits
CET	2942	Cooperative Education Internship in Network Administration	2 Credits
CET	2949	Cooperative Education Internship in Network Administration	3 Credits

Any CIS1### course

Any CIS2### course

CIS	2028	Introduction to the IT Industry	3 Credits
CIS	2321	Systems Analysis and Design	3 Credits

Any CTS1### course

CTS	1120	Introduction to Internetworking Security (Security+)	3 Credits

Any CTS2### course

CTS	2142	Information Technology Project Management	3 Credits
CTS	2145	Fundamentals of Cloud Networking and Security	3 Credits
CTS	2317	Advanced Security Certified Ethical Hacker	3 Credits
CTS	2445	Oracle Structured Query Language (SQL)	3 Credits

Total Credits: 24

Web Development Technical Certificate

Major Code: ITSSP–CC CIP: 0511010311
Program Description
This certificate prepares students for employment with businesses needing website development. The program supports online or classroom training for a flexible training schedule. The courses in this certificate will prepare students for developing websites. Students will be exposed to a wide variety of server–side programming and scripting technologies. This certificate is upward compatible with the A.S. degree, Computer Programming and Analysis.

Required Courses   15 Credits

CGS	2545C	Database Management	3 Credits
COP	1000	Principles of Computer Programming	3 Credits
COP	2830	Web Programming I	3 Credits
COP	2831	Advanced JavaScript	3 Credits
COP	2833	Data Driven Websites	3 Credits

Elective Courses   3 Credits

Choose one course from the following list

CEN	2724	User Interface and User Experience Design	3 Credits
COP	2047	Python Programming	3 Credits
COP	2836	Web Programming II	3 Credits

Total Credits: 18

Automotive Fundamentals
Career Certificate
Major Code: AUTOMNT-VC CIP: 0647060422
Program Description
This program is designed to train the student for career entry as an Automotive Maintenance and Light Repair Technician. Students explore career opportunities and requirements of a professional service technician. Courses emphasize beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations and basic automotive technician skills.

Total program hours: 600

Required Courses

AER	0025	Automotive Fundamentals 1	150 Hours
AER	0023	Automotive Fundamentals 2	75 Hours
AER	0024	Automotive Fundamentals 3	75 Hours
AER	0027	Automotive Fundamentals 4	150 Hours
AER	0028	Automotive Fundamentals 5	150 Hours

Total Hours: 600

Building Trade Technologies

Career Certificate
Major Code: GENBLD-VC CIP: 0646041506
Program Description
As the residential and commercial real estate markets continue to improve, the need for a skilled construction and building maintenance workforce continues to increase. In a hands-on learning environment in conjunction with classroom lessons, students will be introduced to a broad foundation of knowledge and skills to prepare them for employment in a variety of construction-related industries.

The development of entry-level skills and knowledge in safety, electrical, HVAC, plumbing, carpentry, masonry, blueprint reading and project management within the certificate allows individuals to tailor career pathways that provide a variety of employment opportunities. This certificate program prepares students for work in both residential and commercial building construction, building remodeling and building maintenance. Students will earn industry-recognized certifications in OSHA 10 and CPR/First Aid.

This program is designed for daytime track students to be completed within 4 semesters. The curriculum includes both online learning and on-campus lab experiences. Students must have access to a computer and the internet. Students must complete the program with a minimum GPA of 2.0 or higher. This program is financial aid eligible.

This Career certificate (previously PSAV) is eligible for 24 articulated credits towards the A.S . Industrial Technology Management degree.

Students are responsible for purchasing the following personal protective equipment (PPE) for the program: work gloves, safety glasses, and steel-toe boots.

To enroll in the program, candidates must:
- Be at least 18 years of age;
- Apply and be accepted to Seminole State College;
- If non-exempt, complete the Form 11, Level D Test of Adult Basic Education (TABE) and successfully meet the minimum scores to

complete the program:
- ◦ Language: 584
- ◦ Math: 596
- ◦ Reading: 576

Note: Departmental consent is required. This is a full-time day track program and is financial aid eligible.

Total program hours: 900

Required Courses 735 Hours

Core Prerequisites: The following courses must be completed with a grade of "C" or higher:

BCV	0011C	Workplace Safety and Tool Skills	90 Hours
BCV	0040	Introduction to Blueprint Reading	90 Hours

Required courses: BCV 0004, BCV 0441C, BCV 0513L, BCV 0600C and BCV 0942C must be completed with a "C" or higher.

BCV	0004	Construction Building Science and Methods	90 Hours
BCV	0441C	HVACR 1	90 Hours
BCV	0513L	Plumbing 1	90 Hours
BCV	0600C	Basic Electrical Skills	90 Hours
BCV	0942C	Building Maintenance Capstone	90 Hours

Elective Courses 165 Hours

Choose one of the Specializations below:

General Technician Specialization

BCV	0129C	Introduction to Carpentry and Finishing Techniques	90 Hours
BCV	0005	Working in Construction Industries	90 Hours

Electrical Emphasis Specialization

BCV	0605C	Electrical 2	90 Hours
BCV	0606C	Electrical 2	75 Hours

HVAC Emphasis Specialization

BCV	0506C	HVACR 2	90 Hours
BCV	0507C	HVACR 3	75 Hours

Plumbing Emphasis Specialization

BCV	0514C	Plumbing 2	90 Hours
BCV	0515C	Plumbing 3	75 Hours

Total Hours: 900

Construction Apprenticeship Fire Sprinkler System Technology Career Certificate

Major Code: FRSPK-VC CIP: 0846050202

Program Description

Apprenticeship training at Seminole State College is provided in conjunction with local contractors and construction associations. Areas of study include building maintenance, commercial ventilation, air conditioning and refrigeration, electricity and fire sprinkler technology.

Training covers a specified period of time during which the apprentice learns a skill or trade under the supervision of a competent craftsman. Each apprentice must complete specified hours of on-the-job training and related classroom instruction. Standards provide for a schedule of work processes, from simple to the most complex, which the apprentice must follow during the on-the-job training. The apprentice's wages increase as skills and knowledge increase.

This is a limited-access program. Candidates must:
- Have approval from an apprenticeship coordinator to register for classes;
- Apply and be accepted at Seminole State College;
- Be at least 18 years of age;
- Be physically capable of performing the work of the trade;
- Be able to read and write English;
- Provide proof of Florida residency for the waiver status;
- Be employed by a sponsoring company.

All students in registered apprenticeship programs

are exempt from taking the basic skills exam.

Students interested in college credit courses must:
- Meet with apprenticeship coordinator;
- Provide official transcripts indicating a standard high school diploma or equivalent.

Total program hours: 8624

Required Courses

BCA	0470	Fundamentals of Fire Sprinklers I	60 Hours
BCA	0471	Fundamentals of Fire Sprinklers II	60 Hours
BCA	0472	Fundamentals of Fire Sprinklers III	60 Hours
BCA	0473	Fundamentals of Fire Sprinklers IV	60 Hours
BCA	0474C	Intermediate Fire Sprinklers I	60 Hours
BCA	0475	Intermediate Fire Sprinklers II	60 Hours
BCA	0476	Intermediate Fire Sprinklers III	60 Hours
BCA	0477	Intermediate Fire Sprinklers IV	60 Hours
BCA	0478	Advanced Fire Sprinklers I	36 Hours
BCA	0479	Advanced Fire Sprinklers II	36 Hours
BCA	0494	Advanced Fire Sprinklers III	36 Hours
BCA	0495	Advanced Fire Sprinklers IV	36 Hours
BCA	0496L	Fire Sprinkler OJT	640 Hours

BCA 0496L Fire Sprinkler OJT must be completed 4 times

BCA	0497L	Fire Sprinkler OJT	680 Hours

BCA 0497L Fire Sprinkler OJT must be completed 8 times

Optional college credit courses for students enrolled in the CWIRE-VC and FRSPK-VC programs:

These college credit courses apply towards the Building Construction Technology Certificate or A.S., Construction Management.

BCN	2230	Construction Materials and Methods I	3 Credits
BCN	1221	Introduction to Building Construction	3 Credits
BCN	2231	Construction Materials and Methods II	3 Credits
BCN	2721	Construction Scheduling and Planning	3 Credits
BCN	2272	Blueprint Reading	2 Credits
BCT	2770	Estimating Fundamentals	3 Credits
EGN	1111C	Engineering Graphics - Drawing	2 Credits
ETD	1320C	Computer-Aided Design I	3 Credits

Total Hours: 8624

Electrician Helper
Career Certificate
Major Code: ELECTRI-VC CIP: 0646030202
Program Description

With the increase of construction activity of new residences and commercial structures, the demand for electricians and electrician helpers is on the rise. Employment of electrical-related occupations has a projected growth of fourteen percent over the next decade. The Electrician Helper Vocational Certificate prepares individuals for an entry-level position in the electrical industry. In a hands-on learning environment, students will be introduced to the fundamental aspects of the trade. The curriculum focuses on electrical trade safety, electrical math concepts, residential and commercial wiring concepts and applications. Upon completion of the certificate, the student will be able to assist electrical journeymen in the field from job layout to cleanup.

This program is designed for full-time, daytime track students to be completed within 12 months. Fall term start only. This program consists of both online learning and on-campus lab experiences. Students must have access to a computer and the internet. Departmental consent is required to register for the program. This program is financial aid eligible.

Candidates must:
- Be at least 18 years of age;
- Apply and be accepted at Seminole State College
- If non-exempt, complete the Form 11, Level D Test of Adult Basic Education (TABE) and successfully meet the following minimum scores to complete the program:
  - Language: 584
  - Math: 596
  - Reading: 576

This Career certificate (previously PSAV) is eligible for 24 articulated credits towards the A.S. Industrial Technology Management degree.

Students are responsible for purchasing the following personal protective equipement (PPE) for the program: work gloves and safety glasses.

Total program hours: 1200

Required Courses

The following courses are designed to be taken in consecutive order, one class at a time.

BCV	0611C	Electrician - Helper I	75 Hours
BCV	0602C	Electrician - Helper II	75 Hours
BCV	0601C	Electrician - Helper III	75 Hours
BCV	0608C	Electrician - Helper IV	75 Hours
BCV	0629C	Electrician - Residential I	75 Hours
BCV	0631C	Electrician - Residential II	75 Hours
BCV	0632C	Electrician - Residential III	75 Hours
BCV	0641C	Electrician Residential IV	75 Hours
BCV	0642C	Electrician - Residential V	75 Hours
BCV	0643C	Electrician - Residential VI	75 Hours
BCV	0633C	Electrician - Commercial I	75 Hours
BCV	0634C	Electrician - Commercial II	75 Hours
BCV	0650C	Electrician - Commercial III	75 Hours
BCV	0653C	Electrician - Commercial IV	75 Hours
BCV	0654C	Electrician - Commercial V	75 Hours
BCV	0655C	Electrician - Commercial VI	75 Hours

Total Hours: 1200

Heating, Ventilation, Air Conditioning/ Refrigeration (HVAC/R) Career Certificate

Major Code: HVACREF-VC CIP: 0615050110
Program Description

The Heating, Ventilation, Air Conditioning/ Refrigeration certificate program's course content includes broad, transferable skills and stresses the understanding of all aspects of the heating, air conditioning and refrigeration industry. The curriculum emphasizes operational functions of systems along with troubleshooting and repair of systems. The underlying principles of technology, labor issues, health, safety and environmental issues are also covered. Lab activities are an integral part of this program. These activities include instruction in the use of safety procedures and in the care of tools, equipment, materials and processes found in the industry.

Candidates must:
- Be at least 18 years of age;
- Apply and be accepted at Seminole State
- If non-exempt, complete the Form 11, Level D Test of Adult Basic Education (TABE) and successfully meet the following minimum scores to complete the program:
  - Language: 584
  - Math: 627
  - Reading: 576

Note: Departmental consent is required. This is a full-time day track program and is financial aid eligible. Please speak with the program advisor before declaring your program major on your application to ensure the proper selection.

Total Program Hours: 1350

Required Courses

ACR	0000C	HVAC/R 101 Introduction and Safety Practices	90 Hours

ACR	0530C	HVAC/R 102 Electrical	90 Hours
ACR	0051C	HVAC/R 103-Refrigeration	90 Hours
ACR	0122C	HVAC/R 104-Components	90 Hours
ACR	0150C	HVAC/R 105-Electrical Motors	90 Hours
ACR	0208C	HVAC/R 106-Refrigerant Recovery and Reclaim	90 Hours
ACR	0613C	HVAC/R 107-Heating	90 Hours
ACR	0125C	HVAC/R 108-Advanced A/C and Refrigeration Practices	90 Hours
ACR	0575C	HVAC/R 201-Advanced Commercial Refrigeration	90 Hours
ACR	0584C	HVAC/R 202-Industry Service Practices	90 Hours
ACR	0430C	HVAC/R 203-Methods, Measurement, Design and Application	90 Hours
ACR	0770C	HVAC/R 204-Chill Water Systems	90 Hours
ACR	0300C	HVAC/R 205-Building Management Systems	90 Hours
ACR	0744C	HVAC/R 206-Refrigeration System Vibration and Insulation	90 Hours
ACR	0013C	HVAC/R 207-Mechanic Advanced Service Practices	60 Hours
ACR	0070	HVAC/R Career Planning and Professional Success	30 Hours

Total Hours: 1350

Heating, Ventilation, Air Conditioning/ Refrigeration Technology I (HVAC/R) Career Certificate

Major Code: ACRFHT-VC CIP: 0615050111
Program Description
This career certificate program prepares students for employment or advanced training in the heating, air conditioning, ventilation and refrigeration industry. The program consists of classroom as well as hands-on lab study. Areas of study include planning, installing, testing and servicing of HVACR systems, servicing, installing and troubleshooting electrical and mechanical components and basic supervisory skills. Students will gain knowledge in the use and care of hand, power and specialized tools and equipment used within the industry and current industry standards, practices and techniques.

Candidates must:
- Be at least 18 years of age;
- Apply and be accepted at Seminole State
- If non-exempt, complete the Form 11, Level D Test of Adult Basic Education (TABE) and successfully meet the following minimum scores to complete the program:
  - Language: 584
  - Math: 627
  - Reading: 576

Note: Departmental consent is required. This is a full-time day track program and is financial aid eligible. Please speak with your program advisor before declaring your program major on your application to ensure the proper selection.

Total program hours: 750

Required Courses

The following courses are designed to be taken in consecutive order, one class at a time.

ACR	0000C	HVAC/R 101 Introduction and Safety Practices	90 Hours
ACR	0530C	HVAC/R 102 Electrical	90 Hours
ACR	0051C	HVAC/R 103-Refrigeration	90 Hours
ACR	0122C	HVAC/R 104-Components	90 Hours
ACR	0150C	HVAC/R 105-Electrical Motors	90 Hours
ACR	0208C	HVAC/R 106-Refrigerant Recovery and Reclaim	90 Hours
ACR	0613C	HVAC/R 107-Heating	90 Hours
ACR	0125C	HVAC/R 108-Advanced A/C and Refrigeration Practices	90 Hours
ACR	0070	HVAC/R Career Planning and Professional Success	30 Hours

Total Hours: 750

Heating, Ventilation, Air Conditioning/ Refrigeration Technology II (HVAC/R)

Career Certificate

Major Code: ACRFHTT-VC CIP: 0615050112

Program Description

This program provides a more advanced level of training in the heating, air conditioning ventilation and refrigeration industry. The program consists of classroom as well as hands-on lab study. Areas of study include combustion-type heating, commercial and industrial refrigeration systems, hydronic and steam systems and indoor air quality. In addition, students will gain knowledge in air distribution systems, building management systems as well as electrical generation and distribution components for commercial heating and air conditioning systems. Entry point into this program will only be offered after completion of the Heating, Ventilation, Air Conditioning/Refrigeration Technology I program.

Departmental consent is required. This is a full-time day track program and is financial aid eligible. Please speak with a program advisor before declaring your program major on your application to ensure the proper selection.

Total program hours: 600

Required Courses

ACR	0575C	HVAC/R 201-Advanced Commercial Refrigeration	90 Hours
ACR	0584C	HVAC/R 202-Industry Service Practices	90 Hours
ACR	0430C	HVAC/R 203-Methods, Measurement, Design and Application	90 Hours
ACR	0770C	HVAC/R 204-Chill Water Systems	90 Hours
ACR	0300C	HVAC/R 205-Building Management Systems	90 Hours
ACR	0744C	HVAC/R 206-Refrigeration System Vibration and Insulation	90 Hours
ACR	0013C	HVAC/R 207-Mechanic Advanced Service Practices	60 Hours

Total Hours: 600

Plumbing
Career Certificate

Major Code: PLUMBIN-VC CIP: 0646050312

Program Description

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Architecture and Construction career cluster. It provides technical skill proficiency and includes competency-based applied learning that contributes to academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, occupation-specific skills and knowledge of all aspects of the Architecture and Construction career cluster. The content includes, but is not limited to, reading construction documents, understanding building codes in the pipe trades, plumbing pipe cutting and joining skills and plumbing layout and installation.

This program is designed for full-time, daytime track students to be completed within 12 months. Fall term start only. This program consists of both online learning and on-campus lab experiences. Students must have access to a computer and the internet. Departmental consent is required to register for the program. This program is financial aid eligible.

Candidates must:
- Be at least 18 years of age;
- Apply and be accepted at Seminole State College;
- If non-exempt, complete the Form 11, Level D Test of Adult Basic Education (TABE) and successfully meet the following minimum scores to complete the program:
  - Language: 584
  - Math: 596
  - Reading: 576

This Career certificate (previously PSAV) is eligible for 24 articulated credits towards the A.S. Industrial Technology Management degree.

Students are responsible for purchasing the following personal protective equipement (PPE) for the program: work gloves and safety glasses.

Note: Department consent is required to register for

this program. Department will provide recommended course sequencing.

Total Program Hours: 1080

Required Courses

BCV	0501C	Plumbing I A	90 Hours
BCV	0530C	Plumbing I B	90 Hours
BCV	0510C	Plumbing I C	90 Hours
BCV	0531C	Plumbing I D	90 Hours
BCV	0512C	Plumbing II A	90 Hours
BCV	0517C	Plumbing II B	90 Hours
BCV	0516C	Plumbing II C	90 Hours
BCV	0518C	Plumbing III A	90 Hours
BCV	0519C	Plumbing III B	90 Hours
BCV	0520C	Plumbing III C	90 Hours
BCV	0523C	Plumbing IV A	90 Hours
BCV	0522C	Plumbing IV B	90 Hours

Total Hours: 1080

Welding Technologies
Career Certificate
Major Code: WELDTEC-VC CIP: 0648050805
Program Description

The Welding Technologies Career Certificate (previously PSAV) prepares students for high-demand jobs in construction, manufacturing, repair and maintenance industries as welders, welder helpers, welder assemblers, production line welders and flame cutters. A hands-on learning environment in conjunction with classroom lessons, students will be introduced to the fundamental aspects of the trade, including workplace safety, blueprint reading, metallurgy, various welding processes and techniques. Students develop proper skills more quickly, with increased accuracy and allows students to accelerate technique proficiency. Upon completion of the certificate, students will be proficient in Stick, MIG, TIG and Flux-Core welding and will have the opportunity to earn industry certifications for entry-level positions*.

This program is designed for full-time, daytime track students to be completed within 12 months. The curriculum includes both online learning and on-campus lab experiences. Students must have access to a computer and the internet. Students must complete the program with a minimum GPA of 2.0 or higher. This program is financial aid eligible.

*Welding certifications are conducted by an independent, third-party testing agency. The cost of the first welding certification is included in lab fees.

Students are responsible for purchasing the following welding equipment for the program: instructor approved welding helmet and face shield, welding jacket, leather welding gloves, steel-toe boots, safety glasses, torch cutting safety glasses, 12" adjustable wrench, tape measure, soap stone and holder.

To enroll in the program, candidates must:
- Be at least 18 years of age;
- Apply and be accepted to Seminole State College;
- Meet with program coordinator for department consent to register for this program:
- If non-exempt, Section 1004.91, Florida Statutes (F.S.), Career-Preparatory Instruction and State Board of Education Rule 6A-10.040 Florida Administrative Code (F.A.C.)requires students who enroll in a career certificate or applied technology diploma program offered for career credit of 450 clock hours or more to complete an entry-level examination within the first six weeks after admission into the program
  - The purpose of assessment is to determine whether the student has the basic skills necessary to be successful in the chosen CTE program. Assessment instruments meeting this requirement are annually adopted in Rule 6A-10.040, F.A.C. and include:
    - Any common placement test where a

minimum score has been achieved pursuant to Rule 6A-10.0315, F.A.C.;

- Comprehensive Adult Student Assessment System (CASAS), GOALS 900 Series
- Tests of Adult Basic Education (TABE) 11&12; and
- 2014 GED® Tests: Reasoning through Language Arts and Mathematics Reasoning where a minimum score (145), as required in Rule 6A-.6.0201, F.A.C., has been achieved, on each test.
- **Exceptions and Exemptions from the Basic Skills Examination**
    - Adult students with disabilities may be exempted from meeting the basic skills level required to earn a Career Certificate of Completion and be reported as a completer.
    - Students who are exempt from basic skills exit requirements include those who:
        1. Possess a college degree at the associate in applied science (AAS) level or higher;
        2. Demonstrate readiness for public postsecondary education pursuant to s. 1008.30, F.S. and applicable rules adopted by the State Board of Education. A student who entered 9th grade in a Florida public school in the 2003-2004 school year, or any year thereafter, and earned a Florida standard high school diploma or a student who is serving as an active duty member of any branch of the United States Armed Services shall not be required to take the common placement test and shall not be required to enroll in developmental education instruction in a Florida College System institution.

However, a student who is not required to take the common placement test and is not required to enroll in developmental education under this paragraph may opt to be assessed and to enroll in developmental education instruction, and the college shall provide such assessment and instruction upon the student's request.

3. Pass a state or national industry certification or licensure examination that is identified in State Board of Education rules and aligned to the CTE program in which the student is enrolled; or

4. Is enrolled in an apprenticeship program that is registered with FDOE in accordance with Chapter 446.

- If a student has met or exceeded standard scores in one area of one test, another test may be used to meet the additional skill area requirements. It is acceptable to combine test scores from more than one test.
- A student who was previously tested and referred to developmental education at a Florida College System (FCS) institution college may be reported as meeting basic skills requirements once they successfully complete the required developmental education and will not need to be retested.
- A student who has taken the 2014 GED® and attained the minimum achievement scores on both the Reasoning through Language Arts (RLA) and Mathematic Reasoning, does not need to be tested. A student who takes the 2014 GED® and does not attain the minimum score on the initial test, but then subsequently attains the minimum score on each

test after admission into the CTE program, may be counted as a full completer from the program once the student successfully demonstrates mastery of program content as determined locally. Earning the achievement scores on both the 2014 GED® RLA and Mathematical Reasoning subtests must occur before or within the reporting year that the student completes the CTE program. All requirements for full program completion would need to be earned by the end of the reporting year for the year in which there was enrollment. Once a reporting year has closed, there is no longer an opportunity to update records and indicate the student was a full program completer. School districts and FCS institutions may still update local system records, it just would not be transmitted to the state and the student would not be included in Perkins calculations as a full program completer.

■ If a student successfully completes his or her coursework, does not meet the basic skills requirements for completion from the program utilizing an approved assessment instrument, takes and passes a related licensure exam identified by the Florida Department of Education (FDOE), Division of Career and Adult Education (DCAE), and posted on the website at http://fldoe.org/core/fileparse.php/5652/urlt/2019-20-basicskills.rtf, the student shall be counted as a completer and does not have to be retested on one of the basic skills examinations. This provision includes career dual enrollment students.

A high school diploma or equivalency is **not** required for program entry.

Required dress code: closed-toe shoes, t-shirts, and jeans (or flame-resistant pants). The clothing listed below is not appropriate and students should not wear such items while participating in the program:

- Clothing with printing that is suggestive, offensive, obscene, or promotes illegal substances
- Athletic clothing, including sports shirts, sweatpants and sweatshirts
- Sleepwear, including pajama bottoms
- Sandals, flip-flops, or other open-toed shoes

For more information, please contact Josh Cooper or call **407.708.2405**.

Total program hours: 1050

Required Courses

PMT	0122C	Welding Workplace Safety Skills	90 Hours
PMT	0070C	Welding 1	90 Hours
PMT	0071C	Welding 2	90 Hours
PMT	0072C	Welding 3	90 Hours
PMT	0073C	Welding 4	90 Hours
PMT	0074C	Welding 5	90 Hours
PMT	0102C	Welding 6	90 Hours
PMT	0107C	Welding 7	90 Hours
PMT	0121C	Welding 8	90 Hours
PMT	0126C	Welding 9	90 Hours
PMT	0131C	Welding 10	90 Hours
PMT	0134C	Welding 11	60 Hours

Total Hours: 1050

Course Numbering and Prefixes

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 27 participating nonpublic institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website.

Each participating institution controls the title, credit and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

Example of Course Identifier: ENC 1101

Prefix	Level Code (first digit)	Century Digit (second digit)	Decade Digit (third digit)	Unit Digit (fourth digit)	Lab Code
ENC	1	1	0	1	
English Composition	Lower (Freshman) Level at this Institution	Freshman Composition	Freshman Composition Skills	Freshman Composition Skills I	No laboratory component in this course.

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in *Exception to the General Rule for Equivalency*.

For example, a freshman composition skills course is offered by 59 different postsecondary institutions. Each institution uses "ENC_101" to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "ENC" means "English Composition," the century digit "1" represents "Freshman Composition," the decade digit "0" represents "Freshman Composition Skills," and the unit digit "1" represents "Freshman Composition Skills I."

In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course that has the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established

by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at a Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent.

NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term system. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.
B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
C. Courses in the __900-999 series are not automatically transferable and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations.
D. Applied academics for adult education courses.
E. Graduate courses.
F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.
G. Applied courses in the performing arts (Art,

Dance, Interior Design, Music and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

Courses at Non-Regionally Accredited Institutions

The SCNS makes available, at http://scns.fldoe.org, a report titled "Courses at Non-regionally Accredited Institutions," that contains a comprehensive listing of all non-public institution courses in the SCNS inventory as well as each course's transfer level and transfer effective date. This report is updated monthly.

Questions about the SCNS should be directed to: Carlene McNeil, Director, Curriculum, Credentialing and Academic Scheduling, Seminole State College, Office of Course and Curriculum Development; 100 Weldon Blvd., Sanford, FL 32773, or the Florida Department of Education, Office of Articulation, 1401 Turlington Building; Tallahassee, FL 32399-0400. Special reports and technical information may be requested by contacting the Statewide Course Numbering System office at 850.245.0427 or http://scns.fldoe.org. Appeals regarding course credit transfer decisions should be directed to the Office of Enrollment Services and Registrar, Seminole State College, 100 Weldon Blvd., Sanford, FL 32773.

Course Numbering System

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Each participating institution controls the title, credit and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

Example of Course Identifier: ENC 1101

Prefix	Level Code (first digit)	Century Digit (second digit)	Decade Digit (third digit)	Unit Digit (fourth digit)	Lab Code
ENC	1	1	0	1	
English Composition	Lower (Freshman) Level at this Institution	Freshman Composition	Freshman Composition Skills	Freshman Composition Skills I	No laboratory component in this course.

General Rule for Course Equivalencies

Equivalent courses at different institutions are

identified by the same prefixes and same last three digits of the course number and are guaranteed to

be transferable between participating institutions that offer the course, with a few exceptions, as listed below in *Exception to the General Rule for Equivalency.*

For example, a freshman composition skills course is offered by 59 different postsecondary institutions. Each institution uses "ENC_101" to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "ENC" means "English Composition," the century digit "1" represents "Freshman Composition," the decade digit "0" represents "Freshman Composition Skills," and the unit digit "1" represents "Freshman Composition Skills I."

In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course that has the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at a Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent.

NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term system. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for

Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.
B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
C. Courses in the __900-999 series are not automatically transferable and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations.
D. Applied academics for adult education courses.
E. Graduate courses.
F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.
G. Applied courses in the performing arts (Art, Dance, Interior Design, Music and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

Courses at Non-Regionally Accredited Institutions

The SCNS makes available, at http://scns.fldoe.org, a report titled "Courses at Non-regionally Accredited Institutions," that contains a comprehensive listing of all non-public institution courses in the SCNS inventory as well as each course's transfer level and transfer effective date. This report is updated monthly.

Questions about the SCNS should be directed to: Carlene McNeil, Director, Curriculum, Credentialing and Academic Scheduling, Seminole State College, Office of Course and Curriculum Development; 100 Weldon Blvd., Sanford, FL 32773, or the Florida Department of Education, Office of Articulation, 1401 Turlington Building; Tallahassee, FL 32399-0400. Special reports and technical information may be requested by contacting the Statewide Course Numbering System office at 850.245.0427 or http://scns.fldoe.org. Appeals regarding course credit transfer decisions should be directed to the Office of Enrollment Services and Registrar, Seminole State College, 100 Weldon Blvd., Sanford, FL 32773.

Course Prefixes

Prefix	Subject
ABX	Adult Basic Education
ACG	Accounting: General
ACR	HVACR: Heating/Ventilation/AC/Refrigeration
AER	Automotive Mechanics
AMH	American History
AML	American Literature
ANT	Anthropology
APA	Applied Accounting
ARC	Architecture
ARE	Art Education
ARH	Art History
ART	Art
ASL	American Sign Language
AST	Astronomy
BCA	Building Construction Apprenticeship
BCN	Building Construction
BCT	Building Construction Trades
BCV	Building Construction Vocational
BOT	Botany
BSC	Biological Sciences

Prefix	Subject
BUL	Business Law
CAP	Computer Application Development
CBH	Comparative Psychology
CCJ	Criminology and Criminal Justice
CDA	Computer Design and Architecture
CEN	Computer Engineering
CET	Computer Engineering Technology
CGS	Computer General Studies
CHD	Child Development
CHI	Chinese
CHM	Chemistry
CIS	Computer Science and Information Systems
CJC	Corrections
CJE	Law Enforcement
CJJ	Juvenile Justice
CJK	Criminal Justice Academy
CJL	Criminal Justice Law and Process
CLP	Clinical Psychology
CNT	Computer Networks
COP	Computer Programming
COT	Computing Theory
CPO	Comparative Politics
CRW	Creative Writing
CTS	Computer Technology and Skills
DAA	Dance
DEP	Developmental Psychology
DIG	Digital and Interactive Media Design
DSC	Domestic Security
EAP	English for Academic Purposes

Prefix	Subject
ECO	Economics
ECP	Healthcare Economics
EDE	Education: Elementary
EDF	Education: Foundations and Policy Studies
EDG	Education: General
EDP	Educational Psychology
EEC	Education: Early Childhood
EER	Electrical/Electronics Repair
EET	Electronic Engineering Technology
EEX	Care of Exceptional Children
EGN	Engineering General
EGS	Engineering Support
EME	Education: Technology and Media
EML	Engineering: Mechanical
EMS	Emergency Medical Services
EMT	EMT Emergency Medical Training
ENC	English Composition
ENG	English – General
ENL	English Literature
ENT	Entrepreneurship
EPI	Educator Prep Institute
ESC	Earth Science
ESL	English for Speakers of Other Languages
ETC	Engineering Technology: Civil
ETD	Engineering Technology: Drafting
ETG	Engineering Technology: General
ETI	Engineering Technology: Industrial
ETM	Engineering Technology: Mechanical
ETP	Engineering Technology: Power

Prefix	Subject
ETS	Engineering Technology : Specialty
EUH	European History
EVR	Environmental Studies
FES	Fire and Emergency Services
FFP	Fire Fighting and Protection
FIN	Finance
FIR	Fire Fighting
FOL	Foreign and Biblical Languages
FRE	French
FSS	Food Service Systems
GEA	Geography: Regional Areas
GEB	General Business
GED	General Education Development
GEO	Geography: Systematic
GER	German
GIS	Geography Information Science
GLY	Geology
GRA	Graphic Arts
HEV	Home Economics Vocational
HFT	Hospitality Management
HIM	Health Information Management
HIS	General History and Historiography
HLP	Health and Wellness
HPS	History and Philosophy of Science
HSA	Health Services Administration
HSC	Health Sciences
HUM	Humanities
HUN	Human Nutrition
IDH	Interdisciplinary Honors
IDS	Interdisciplinary Studies

Prefix	Subject
IND	Interior Design
INP	Industrial and Applied Psychology
INR	International Relations
ISC	Interdisciplinary Sciences
ISM	Information Systems Management
ISS	Interdisciplinary Social Sciences
JOU	Journalism
LAH	Latin American History
LDR	Leadership Studies
LEO	Criminal Justice (CWE)
LI	Language Institute
LIS	Library and Information Studies
LIT	Literature
MAC	Mathematics: Calculus and Precalculus
MAE	Mathematics Education
MAN	Management
MAP	Mathematics Applied
MAR	Marketing
MAS	Mathematics – Algebraic Structures
MAT	Mathematics
MCB	Microbiology
MET	Meteorology
MGF	Mathematics
MKA	Marketing Applications
MMC	Mass Media Communication
MNA	Management: Applied
MSL	Military Science and Leadership
MTB	Mathematics: Technical and Business
MUE	Music Education
MUH	Music History/Musicology

Prefix	Subject
MUL	Music Literature
MUM	Music: Commercial/Management/Administration
MUN	Music Ensembles
MUS	Music
MUT	Music: Theory
MVK	Applied Music: Music Keyboard
MVB	Applied Music: Brasses
MVP	Music – Percussion
MVS	Applied Music: Strings
MVV	Music: Voice
MVW	Applied Music: Woodwinds
NUR	Nursing
OCE	General Oceanography
OST	Office Systems Technology
PAX	Peace Studies
PCO	Psychology for Counseling
PEL	Physical Education
PEM	Physical Conditioning
PEO	Physical Education: Object Centered
PET	Physical Education Theory
PGY	Photography
PHI	Philosophy
PHY	Physics
PHT	Physical Therapy
PLA	Paralegal/Legal Assistant/Legal Administration
PMT	Precision Metals Technology
POS	Political Science
POT	Political Theory
PPE	Personality Psychology

Prefix	Subject
PSC	Physical Sciences
PSY	Psychology
PTN	Pharmacy Technician
PUP	Public Policy
PUR	Public Relations
QMB	Business Mathematics
REA	Reading
RED	Reading Education
REL	Religions
RET	Respiratory Care
RMI	Risk Management and Insurance
RTV	Radio–Television
SBM	Small Business Management
SCE	Science Education
SLS	Student Life Skills
SPC	Speech Communication
SPN	Spanish Language
STA	Statistics
SSE	Social Studies in Education
SUR	Surveying
SYG	Sociology
SYP	Social Processes
TAX	Taxation
THE	Theatre
TPA	Theatre Production and Administration
TPP	Theatre Acting and Directing
TRA	Transportation and Logistics
TSL	Education: Teaching English
WOH	World History

Course Descriptions Listing

Terms listed are terms typically offered and are subject to change.

*Courses designated with an asterisk (*) will not meet the requirements for an Associate in Arts or Bachelors degree.

ACG2021 **Principles of Financial Accounting**

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course introduces the student to the theory and practice of financial accounting. Topics include the accounting cycle, analysis of financial statement transactions, financial statement preparation, accounting for assets, liabilities, equities, revenues and expenses. Accounting for entities, including partnerships and corporations is introduced. Prerequisite: APA 1111C or MAC 1105 with a grade of "C" or higher.

ACG2021H **Honors Principles of Financial Accounting**

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course introduces the student to the theory and practice of financial accounting. Topics include the accounting cycle, analysis of financial statement transactions, financial statement preparation, accounting for assets, liabilities, equities, revenues and expenses. Accounting for entities including partnerships and corporations is introduced. Prerequisites: Acceptance into Honors program and APA 1111C or MAC 1105 with a grade of "C" or higher.

ACG2071 **Principles of Managerial Accounting**

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course introduces the student to the use of accounting information by managers. Topics include the use of accounting information for planning and control, capital investment, performance evaluation, decision-making, cash flow statements and financial statement analysis. Prerequisite: ACG 2021.

ACG2071H **Honors Principles of Managerial Accounting**

Fall, Spring	3.00 Credits - 3.00 Hours

This course introduces the student to the use of accounting information by managers. Topics include the use of accounting information for planning and control, capital investment, performance evaluation, decision-making, cash flow statements and financial statement analysis. Prerequisites: Acceptance into Honors program and ACG 2021.

ACG2100 **Intermediate Accounting Fundamentals**

Spring	3.00 Credits - 3.00 Hours

This course expands on topics covered in Financial Accounting course ACG 2021 and presents them within a conceptual framework determined by generally accepted accounting principles. Financial accounting functions, theory and recognition and measurement of assets are covered. Prerequisite: ACG 2021 with a grade of "C" or higher. Corequisite: ACG 2071.

ACG2360 **Cost Accounting**

Fall	3.00 Credits - 3.00 Hours

This course is a study of the fundamentals of cost accounting within an industrial organization. The accounting functions relative to materials, labor and factory overhead are treated in detail. Job order and process cost systems are fully explored. Standard cost systems, budgeting and managerial control functions are also discussed. Prerequisites: ACG 2021 and ACG 2071 with a grade of "C" or higher.

ACG2931   Selected Studies in Accounting

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course explores topics relevant in today's accounting discipline. Course material is delivered in an individual setting and often will include a research paper/project based on a current accounting topic.

ACG2941   Internship in Accounting

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ACG2942   Internship in Accounting

Offered as Needed   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ACG2949   Internship in Accounting

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5,

appropriate job/internship placement and permission from the Career Development Center.

ACG3024   Accounting for Non-Financial Majors

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course addresses the use of accounting information by non-financial managers. Emphasis is placed on the interpretation of accounting information so that managers can participate effectively in decision-making. Concepts introduced include the accounting cycle, accounting for merchandisers, cash and internal control, receivables and inventory control, long-term assets and depreciation, ratio analysis, break-even and cost-volume profit, budgeting, cost planning and control, and capital budgeting. Prerequisites: ACG 2021 and ACG 2071.

ACG3131   Intermediate Accounting I

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course deals with financial accounting practice and theory, including generally accepted accounting principles (GAAP), the conceptual framework, accounting information systems, including financial statement reporting and disclosures, the time value of money, cash controls, accounting and reporting for cash, receivables, inventories and long-term assets. Prerequisites: ACG 2021 and ACG 2071.

ACG3361   Intermediate Managerial Accounting

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

A study of budgeting and cost control systems,

including a detailed study of manufacturing cost accounts and reports, job order costing and process costing. Includes introduction to alternative costing methods such as activity-based and just-in-time costing. Reviews planning of profit, cost, sales, cost and profit analysis, profit performance, pricing decisions and measurement. Prerequisites: ACG 2021 and ACG 2071.

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*   HVAC/R 101 Introduction and ACR0000C Safety Practices

Fall, Spring, Summer	3.00 Credits - 90.00 Hours

This is a theoretical and practical course outlining the introduction to the HVAC/R industry and how environmental conditions are related to heating and air-conditioning technology. It introduces the student to the proper use and care of hand and power tools, and OSHA compliant shop and jobsite safety practices by obtaining their OSHA 10-hour certification. Students will also gain knowledge in useful construction math skills to accurately analyze and apply data and measurements to solve problems and in reading and interpreting various types of construction drawings and written specifications. Lab fee required.

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*   HVAC/R 207-Mechanic Advanced ACR0013C Service Practices

Fall, Spring, Summer	2.00 Credits - 60.00 Hours

This is a theoretical and practical course in maintaining, testing, troubleshooting and repairing ice-machine systems following manufacturers recommendations. Students will gain a working knowledge in specialty refrigeration systems, testing the solid-state components used in commercial refrigeration systems and explaining the operations of various types of commercial refrigeration systems and applications such as single,

multiplex and cascade systems. Lab fee required.

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*   HVAC/R 103-Refrigeration ACR0051C

Fall, Spring, Summer	3.00 Credits - 90.00 Hours

This is a theoretical and practical course that includes the study of refrigeration concepts within the HVACR industry. Areas of study include refrigeration theory and applications, refrigerant identification, its application and the handling and storage procedures. Students will also gain knowledge in refrigeration components and troubleshooting methods as well as characteristics of heat types and the application of heat. Lab fee required.

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* ACR0070 HVAC/R Career Planning and Professional Success

Fall, Spring, Summer	1.00 Credit - 30.00 Hours

This course provides the opportunity for students to develop the necessary skills in all areas of career development in the HVAC/R Industry. Students will gain knowledge in interviewing skills as well as writing an effective and professional resume.

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*   HVAC/R 104-Components ACR0122C

Fall, Spring, Summer	3.00 Credits - 90.00 Hours

This is a theoretical and practical course that includes the study of service applications within the HVAC/R industry. Areas of study include troubleshooting heating, air-conditioning and refrigeration components and accessories, and various types of heating, air conditioning and refrigeration ventilation piping. Students will also receive instruction

on soldering, brazing and welding techniques and mechanical joining methods. Lab fee required.

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*   HVAC/R 108-Advanced A/C and ACR0125C   Refrigeration Practices

Fall, Spring, Summer	3.00 Credits - 90.00 Hours

This is a theoretical and practical course in understanding the design of heating and cooling systems. Areas of study will include load calculations, selection of heating and/or cooling equipment, air-flow distribution, basic duct construction and zone damper motors. Lab fee required.

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*   HVAC/R 105-Electrical Motors ACR0150C

Fall, Spring, Summer	3.00 Credits - 90.00 Hours

This is a theoretical and practical course of maintaining, testing and troubleshooting electrical motors and mechanical components of heating, air conditioning and refrigeration systems. Students will also gain knowledge in solid-state electronics as used in heating, air-conditioning and refrigeration systems to include the troubleshooting and repairing of circuits and boards. Lab fee required.

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*   HVAC/R 106-Refrigerant Recovery ACR0208C   and Reclaim

Fall, Spring, Summer	3.00 Credits - 90.00 Hours

This is a theoretical and practical course on the functions of servicing and testing mechanical refrigeration equipment. Students will also gain knowledge in the installation of residential heating and air conditioning systems to include the electrical and mechanical operations of the basic heat pump.

Lab fee required.

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*   HVAC/R 205-Building
ACR0300C Management Systems

Fall, Spring,   3.00 Credits - 90.00
Summer   Hours

This is a theoretical and practical course in building management systems and retail, commercial and industrial refrigeration systems. Students will also gain a working knowledge of electrical generation and distribution components for commercial heating and air conditioning systems. Lab fee required.

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*   HVAC/R 203-Methods,
ACR0430C Measurement, Design and
**   Application**

Fall, Spring,   3.00 Credits - 90.00
Summer   Hours

This is a theoretical and practical course in hydronic systems and understanding the principles of psychometrics. Students will receive training in the use of a pressure enthalpy chart to diagram refrigerant cycles. Students will also gain knowledge in the standards for ways to measure indoor air quality methods. Lab fee required.

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*   HVAC/R 102 Electrical
ACR0530C

Fall, Spring,   3.00 Credits - 90.00
Summer   Hours

This is a theoretical and practical course covering electrical concepts within the HVACR industry. Electrical safety, alternating and direct current, parallel circuits, series circuits and Ohm's Law will be introduced. Students will participate in hands-on instruction in the use of an electrical meter and the practical uses of Ohm's Law. Students will gain

knowledge in electrical theory, design, flow, wiring and sequence of operation. Lab fee required.

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*   HVAC/R 201-Advanced
ACR0575C Commercial Refrigeration

Fall, Spring,   3.00 Credits - 90.00
Summer   Hours

This is a theoretical and practical course in the selection, testing, adjustment and troubleshooting of commercial system compressors and evaporator condensers. Students will also gain knowledge in the basic principles of sizing various heating, air conditioning, refrigeration and ventilation for various tasks and the understanding of pressure and temperature drops. Lab fee required.

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*   HVAC/R 202-Industry Service
ACR0584C Practices

Fall, Spring,   3.00 Credits - 90.00
Summer   Hours

This is a theoretical and practical course in maintaining, trouble shooting and repairing both commercial heating and air conditioning systems. Students will receive training in variable refrigerant volume systems (VRV) and variable refrigerant flow systems (VRF). Students will also gain advanced knowledge in interpreting, using and modifying construction drawing and specifications. Lab fee required.

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*   HVAC/R 107-Heating
ACR0613C

Fall, Spring,   3.00 Credits - 90.00
Summer   Hours

This is a theoretical and practical course in conducting start-up and check-out procedures for mechanical heating and air conditioning

systems. Students will also gain knowledge in combustion-type heating servicing and testing equipment as well as troubleshooting combustion gas valves and regulators. Lab fee required.

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*   HVAC/R 206-Refrigeration System ACR0744C Vibration and Insulation

Fall, Spring, Summer   **3.00 Credits - 90.00 Hours**

This is a theoretical and practical course in refrigeration-system vibration and insulation and commercial refrigeration pipe sizing and troubleshooting. Students will also gain a working knowledge of refrigerated storage systems with advanced refrigeration systems skills training. Lab fee required.

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*   HVAC/R 204-Chill Water Systems ACR0770C

Fall, Spring, Summer   **3.00 Credits - 90.00 Hours**

This is a theoretical and practical course in chilled water systems and a more advanced knowledge of commercial heating and air-conditioning loads. Students will receive training in the balancing of air and water distribution systems using a psychrometric chart to evaluate air properties and changes in air properties. Students will also gain knowledge in identifying and explaining the operation of energy conservation equipment. Lab fee required.

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*   Selected Studies in HVAC/R ACR0930C

Fall, Spring, Summer   **3.00 Credits - 90.00 Hours**

This course explores topics relevant in today's HVAC/R industry. Course material is delivered in a group setting and often includes a team

project-based methodology.

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* ACR0961 HVAC/R OJT

Fall, Spring, Summer.50 Credits - 15.00 Hours

This course will provide on-the-job training that parallels and reinforces training received in the related training portion of the heating, ventilation, air conditioning/refrigeration program.

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* AER0023 Automotive Fundamentals 2

Fall, Spring, Summer   **2.50 Credits - 75.00 Hours**

The Maintenance and Light Repair Technician 2A course prepares students for entry into Maintenance and Light Repair Technician 2B. Students study automotive general electrical systems, starting and charging systems, batteries, lighting and electrical accessories. Content emphasizes beginning transportation service skills and workplace success skills.

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* AER0024 Automotive Fundamentals 3

Fall, Spring, Summer   **2.50 Credits - 75.00 Hours**

The Maintenance and Light Repair Technician 2B course in conjunction with Maintenance and Light Repair Technician 2A prepares students for entry into Maintenance and Light Repair Technician 3. Students study automotive general electrical systems, lighting and electrical accessories. Content emphasizes beginning transportation service skills and workplace success skills.

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* AER0025 Automotive Fundamentals 1

Fall, Spring, Summer   **5.00 Credits - 150.00 Hours**

The Maintenance and Light Repair Technician 1 course prepares students for entry into Maintenance and Light Repair Technician 2. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, basic engine fundamentals and basic technician skills.

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* AER0027 Automotive Fundamentals 4

Fall, Spring, Summer   **5.00 Credits - 150.00 Hours**

The Maintenance and Light Repair Technician 3 course prepares students for entry into Maintenance and Light Repair Technician 4. Students study service suspension and steering systems and brake systems. Content emphasizes beginning transportation service skills and workplace success skills.

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* AER0028 Automotive Fundamentals 5

Fall, Spring, Summer   **5.00 Credits - 150.00 Hours**

The Maintenance and Light Repair Technician 4 prepares students for entry into the automotive workforce. Students study service automotive HVAC systems, engine performance systems, automatic and manual transmission/transaxle systems as well as practice workplace soft skills.

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* AER1073 Applied Concepts in Automotive Electrical/Electronics

Fall   **2.00 Credits - 2.00 Hours**

This course will teach students to read schematic drawings and understand how circuits work so that they can demonstrate knowledge by building and diagnosing a functioning circuit. This will reinforce

Electrical 1 concepts focusing on specific areas where students face the most challenges. This adds a higher level of diagnostic skill where the student learns and demonstrates the College's student learning outcomes, i.e. critical thinking, scientific/quantitative reasoning and information literacy as it pertains to Electrical diagnostics. Lab fee required.

---

* AER1082 Introduction to Vehicle Systems and Minor Service

Fall   **3.00 Credits - 6.00 Hours**

This course is designed to introduce the student to the various systems of the automobile. It includes instruction in shop practices. The student will learn minor repair procedures, including lubrication, wheel and tire, exhaust system service and new car pre-delivery services. Lab fee required.

---

* AER1197 Engine Diagnoses and Repair

Spring   **4.00 Credits - 8.00 Hours**

This course is a study of the principles of operational and problem diagnoses of the internal combustion engine. The theory of operation of the various engines in use is presented. Engines will be properly disassembled, parts identified, inspected, measured and reassembled. Proper testing and break-in procedures along with approved diagnostic troubleshooting procedures will be emphasized. Lab fee required. Prerequisite: AER 1602 or permission of instructor.

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* AER1496 Steering and Suspension Systems

Summer   **3.00 Credits - 6.00 Hours**

The student will develop the knowledge and skills related to the operation and function of steering and suspension systems. Alignment, testing, diagnosis and repair of modern vehicle

systems will be emphasized. Lab fee required. Prerequisite: AER 1602.

***   Brake Systems, Anti-Lock Brakes
AER1596C and Traction Control Systems**

Spring   4.00 Credits - 8.00 Hours

This course is a study of the theory and operation of brake systems. Students will learn all aspects of the diagnosis, repair and testing of brake systems, including drum and disc brakes and power brake operation and repair, anti-lock brake, traction control and stability control systems. Lab fee required. Prerequisite: AER 1602 or permission of instructor.

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* AER1602 Electrical/Electronic Systems I

Fall   4.00 Credits - 8.00 Hours

A comprehensive course introducing the student to the principles of electricity and electronics as applied to electrical systems. The principles of Ohm's Law will lead the student into the use of digital volt ohmmeters and oscilloscopes utilizing lab and hands-on exercises. Proper diagnostic skills will be taught and applied through the troubleshooting and repair of problems on live vehicles. Lab fee required.

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* AER1695 Chassis Electronics

Summer   3.00 Credits - 6.00 Hours

This course will cover automotive chassis-related electrical and electronic systems. Covered systems will include, but not be limited to, instrumentation, ride control, supplemental inflatable restraint system, four wheel steering and power accessories. Theory of operation and diagnosis will be emphasized. Lab fee required. Prerequisite: AER 1602.

AER1758   HVAC Systems

Summer   4.00 Credits - 8.00 Hours

This course is designed to develop an understanding of the theory and operation of modern heating and air conditioning systems as used on vehicles. Included are proper diagnostic and repair procedures. Recycling and storage of CFC's and the effect on the environment is stressed. Lab fee required. Prerequisite: AER 1602.

*** AER2298 Automatic Transmissions/
            Transaxles**

Spring   4.00 Credits - 8.00 Hours

This course covers the operation of modern transmission and drive train components. The student will learn in detail overhaul, testing, diagnosis and repair procedures. Courses related to automatic transmission/transaxles will be included in the curriculum. These are subject to change as new courses replace outdated and obsolete courses. Lab fee required. Prerequisite: AER 1602.

*** AER2398 Manual Transmissions/Drive
            Trains**

Spring   3.00 Credits - 6.00 Hours

This course covers the operation of modern manual transmission and drive train components. Overhaul, testing, diagnosis and repair procedures will be emphasized. Noise, vibration and harshness will be taught. Lab fee required. Prerequisite: AER 1602.

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* AER2694 Electrical/Electronic Systems II

Fall   4.00 Credits - 8.00 Hours

This course will continue the study of electricity and electronics. It will begin with a review of semiconductor diodes and

transistors and continue on through digital devices and microprocessors as applied to electronic and computer-controlled systems. Emphasis will be placed on testing and diagnosis of vehicle communication systems and subsystems. Hybrid, high voltage and electrical safety procedures will be covered. Lab fee required. Prerequisite: AER 1602.

* **Driveability Diagnosis AER2820C**

Summer   **3.00 Credits - 6.00 Hours**

This course covers classroom and lab experiences related to approved techniques for diagnosis of driveability problems. Course content will include, but not be limited to, brake, steering and suspension, transmission and drive train, engine and performance diagnoses, including various computer-controlled systems. Lab fee required. Prerequisite: AER 1602.

* **AER2840 Engine Control Systems**

Fall   **4.00 Credits - 8.00 Hours**

This course will teach the theory and operation of engine control systems. Emphasis is on approved diagnostic procedures, testing and repair of fuel injected gasoline engine controls. Covered topics include fuel injection, spark and emission control systems and diagnosis. Lab fee required. Prerequisite: AER 1602.

* **Alternative Fuel and Propulsion AER2870C Systems**

Spring   **3.00 Credits - 6.00 Hours**

This course introduces the student to emerging technology and alternative fuel propulsion systems. Safety, theoretical operation and service procedures are discussed and practiced in the laboratory environment. Personal protective equipment, high voltage

systems, hybrid and electric vehicle components and diagnostic service procedures are emphasized. Hybrid vehicle powertrain sub-systems are explored and unique features that distinguish these vehicles from conventional automobiles are discussed. Prerequisite: AER 2694.

* **AER2902 Directed Independent Study Automotive**

Offered as Needed   **2.00 Credits - 2.00 Hours**

This course is scheduled for individual students who need to repeat a course before it will be regularly scheduled. The student and instructor will design a course of study (learning contract). Approval from the dean is required prior to registration. This course may be taken one time for credit.

* **AER2904 Directed Independent Study Automotive**

Offered as Needed   **4.00 Credits - 4.00 Hours**

This course is scheduled for individual students who need to repeat a course before it will be regularly scheduled. The student and instructor will design a course of study (learning contract). Approval from the dean is required prior to registration. This course may be taken one time for credit.

* **AER2905 Directed Independent Study in Automotive**

Offered as Needed   **3.00 Credits - 3.00 Hours**

This course is scheduled for individual students who need to repeat a course before it will be regularly scheduled. The student and instructor will design a course of study (learning contract). Approval from the dean is required prior to registration. This course may be taken one time for credit.

* AER2920 Selected Studies in Automotive - Automotive Practicum

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course offers the automotive student additional lab experiences to complete the necessary requirements for the Automotive A.S. degree program or automotive dual enrollment. The lab experiences will vary depending on the needs of the student. Lab experiences include automotive service shop work-flow processes such as safety, diagnostics, repair and interpreting service information.

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* AER2931 Selected Studies in Automotive - Automotive Practicum

Fall, Spring, Summer   **1.00 Credit - 1.00 Hour**

This course offers the automotive student additional lab experiences to complete the necessary requirements for the Automotive A.S. degree program or automotive dual enrollment. The lab experiences will vary depending on the needs of the student. Lab experiences include automotive service shop work-flow processes such as safety, diagnostics, repair and interpreting service information.

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* AER2940 Internship Auto Technology

Fall, Spring, Summer   **1.00 Credit - 1.00 Hour**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: Student must have a degree plan of AUTO-AAS at Seminole State College, appropriate job/internship placement and permission from the Career Development Center and Automotive department.

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* AER2941 Internship Auto Technology

Fall, Spring, Summer   **1.00 Credit - 1.00 Hour**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: Student must have a degree plan of AUTO-AAS at Seminole State College, appropriate job/internship placement and permission from the Career Development Center and Automotive department.

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* AER2942 Internship Auto Technology

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: Student must have a degree plan of AUTO-AAS at Seminole State College, appropriate job/internship placement and permission from the Career Development

Center and Automotive department.

AER2943 Internship Auto Technology

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program.

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* AER2949 Internship Auto Technology

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: Student must have a degree plan of AUTO-AAS at Seminole State College, appropriate job/ internship placement and permission from the Career Development Center and Automotive department.

AMH1000 Origins of American Civilization

Offered as Needed   3.00 Credits - .00 Hours

Credit for this course is awarded to entering

students with appropriate scores on the Advanced Placement (AP) examination in United States History.

AMH2010 United States History to 1865

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course begins with European arrival in the New World and moves on to colonial America, examining early America regionally. Pre-revolutionary America warrants special attention, including the French and Indian War leading to the Stamp Act and the activities of Boston's "Sons of Liberty." The Declaration of Independence and the U.S. Constitution are examined in detail. Jeffersonian and Jacksonian democracy, westward expansion and the events and issues leading to the American Civil War conclude the course. The role of women and various ethnic groups in the development of America are considered throughout the course. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

AMH2010H Honors United States History to 1865

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course begins with European arrival in the New World and moves on to Colonial America, examining early America regionally. Pre-revolutionary America warrants special attention, including the French and Indian War leading to the Stamp Act and the activities of Boston's "Sons of Liberty." The Declaration of Independence and the U.S. Constitution are examined in detail. Jeffersonian and Jacksonian democracy, westward expansion and the events and issues leading to the American Civil War conclude the course. The role of women and various ethnic groups in the development of America are considered

through the course. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites or corequisites: ENC 1101 or ENC 1101H and acceptance into the Honors Program or permission from the Honors Director.

AMH2020 United States History 1865 to Present

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course begins with the "Reconstruction" period and examines the problems of reunifying America. The nation's industrial period gets close attention, as does the rise of American cities and their accompanying social and political problems. U.S. Imperialism and the Spanish-American War are examined. The "Progressive" period, which includes emphasis on the American Labor Movement and the demand for women's rights are included. World War I and its aftermath in the "Roaring Twenties" are analyzed. The Great Depression and World War II are detailed. The conflicts of the late twentieth century, including the Cold War, Korea, Vietnam and the American Civil Rights Movement are examined. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This course satisfies the General Education State Core Social Science/History requirement for degree seeking students and satisfies the Florida State Civic Literacy requirement per Florida Statutes. Prerequisite or corequisite: ENC 1101.

AMH2020HHonors United States History 1865 to Present

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course begins with the "Reconstruction" period and examines the problems of reunifying America. The nation's industrial

period gets close attention, as does the rise of American cities and their accompanying social and political problems. U.S. Imperialism and the Spanish-American War are examined. The "Progressive" period, which includes emphasis on the American Labor Movement and the demand for women's rights are included. World War I and its aftermath in the "Roaring Twenties" are analyzed. The Great Depression and World War II are detailed. The conflicts of the late twentieth century, including the Cold War, Korea, Vietnam and the American Civil Rights movement are examined. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This course satisfies the General Education State Core Social Science/History requirement for degree seeking students and satisfies the Florida State Civic Literacy requirement per Florida Statutes. Prerequisites or corequisites: ENC 1101 or ENC 1101H and acceptance into the Honors Program or permission from the Honors Director.

AMH2035 The United States 1945 to Present

Fall, Spring	3.00 Credits - 3.00 Hours

This course examines the major political, social, economic, cultural, military and diplomatic development that shaped the development of the modern American nation since 1945, including World War II, the Cold War, the McCarthy Era, the complacent fifties, the turbulent sixties, the disillusioning seventies and the search for new directions since, to include the 1980's. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

AMH2070 History of Florida

Fall	3.00 Credits - 3.00 Hours

This course presents the history of Florida from the pre-Columbian era to the present

with a special focus on Central Florida. Topics include pre-contact, colonial and modern periods with emphasis on political developments, population growth and associated social, economic and environmental issues. Corequisite: ENC 1101.

AMH2090 United States Women's History

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course will cover the role of women in American history from the colonial period to the present. Emphasis will be placed upon the contributions of women to the development of colonial America and their role in pre-Revolutionary times. A separate section will analyze women during the War of Independence and the writing of the U.S. Constitution. Women during the early Republic on the eve of the Civil War and their role in the Reconstruction of America will likewise be discussed. Also addressed is the topic of women as leaders of the "Progressive" movement and during World War I and World War II. The "Women's Lib" movement of the 1960s and 1970s is examined and the role of women in America today concludes the course. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

AMH2090HHonors United States Women's History

Fall, Spring	3.00 Credits - 3.00 Hours

This course will cover the role of women in American history from the colonial period to the present. Emphasis will be placed upon the contributions of women to the development of colonial America and their role in pre-Revolutionary times. A separate section will analyze women during the War of Independence and the writing of the U.S. Constitution. Women during the early Republic on the eve of the Civil War and their role in the

Reconstruction of America will likewise be discussed. Also addressed is the topic of women as leaders of the "Progressive" movement and during World War I and World War II. The "Women's Lib" movement of the 1960s and 1970s is examined and the role of women in America today concludes the course. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors program and ENC 1101 or corequisite ENC 1101.

AMH2091 African American History

Fall, Spring	3.00 Credits - 3.00 Hours

This course analyzes the tribal and national background of Africans before their forced migration to Latin and North America. It examines the so-called "Triangle Trade," Africans in colonial and revolutionary America and the lives of free Black Americans as well as those held in bondage. A close look at the Abolitionist Movement and the American Civil War is included. Prominent African Americans from Benjamin Banneker and Phyllis Wheatley to Martin Luther King and Maya Angelou will be studied. The political, social, economic and religious positions and circumstances of African Americans in the twentieth century will conclude the course. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

AMH2930 Selected Studies in American History

Offered as Needed	3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit. Prerequisite or corequisite: ENC 1101.

AMH2931 Selected Studies in U.S History

Offered as Needed   1.00 Credit - 1.00 Hour

This course covers topics of current interest.

AML2010   American Literature I

Fall   3.00 Credits - 3.00 Hours

American Literature I is a survey of the historical and cultural development of American belles-lettres from 1630 to the late nineteenth century with attention to the influence of prevalent ideas and expressions of the age. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1102 with a grade of "C" or higher or permission of instructor.

AML2020   American Literature II

Spring   3.00 Credits - 3.00 Hours

This course is a survey of the historical and cultural development of American literature from the late nineteenth through the twentieth century. It focuses on the fiction, poetry and drama that precede and constitute the Modern Era. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1102 with a grade of "C" or higher or permission of the instructor.

AML2600   Survey of African American Literature

Fall   3.00 Credits - 3.00 Hours

This course will provide a brief, but comprehensive study of the writing styles of selected African American writers. This study will include a historical perspective of the racial climate in American society, the connection between literature by African Americans and will examine current criticism on selected texts. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1102 with a grade of "C" or

higher or permission of the instructor.

ANT2000   General Anthropology

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course covers the study of man. It is an introductory course covering the economic, cultural, social and political development and technology of primitive societies. Attitudes, approach to problems and the general way of life of primitive societies are compared with modern societies. The course also provides a brief introduction to the development of fossil man and archaeology. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Social Science/History requirement for A.A. degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

ANT2410   Introduction to Cultural Anthropology

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course will explore the nature, characteristics and content of culture from an anthropological perspective by examining the economy, art, religion, politics, language and kinship patterns of individual human societies. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Credit for this course is also awarded to entering students with appropriate scores on the International Baccalaureate (IB) examination in Social Anthropology. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for

ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

ANT2930   Selected Studies in Anthropology

Offered as Needed   3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

ANT2941   Cooperative Education Internship in Anthropology

Offered as Needed   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ANT2949   Cooperative Education Internship in Anthropology

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and ENC 1101 with a grade of "C" or higher. Corequisite: ENC 1101.

ANT2950   Travel Study in Anthropology

Offered as Needed   3.00 Credits - 3.00 Hours

This travel study course combines preparation on campus, foreign travel and study abroad in the discipline of anthropology with variable content depending on the specific program in which the student enrolls. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

APA1111C   Office Accounting I

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course provides instruction and practice in the fundamentals of accounting. Selected topics include accounting careers, basic accounting terminology and principles, steps in the accounting cycle, general journals, general ledgers, financial statements, worksheets, adjusting and closing entries,

cash controls and payroll. This course may be used to provide a foundation for financial accounting. Activities are recorded manually and using appropriate software. Lab fee required.

APA1112C Office Accounting II Using QuickBooks

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

In this course, students will learn to use Quickbooks, a computerized accounting software program. Selected topics include setting up a company, setting up and modifying a chart of accounts, tracking invoices and customer payments, entering and paying bills, tracking inventory, using banking features and preparing financial reports. Lab fee required. Prerequisite: APA 1111C or ACG 2021.

APA2941 Internship in Accounting

Offered as Needed   **1.00 Credit - 1.00 Hour**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

APA2942 Internship in Accounting

Offered as Needed   **2.00 Credits - 2.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

APA2949 Internship in Accounting

Offered as Needed   **3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5,

appropriate job/internship placement and permission from the Career Development Center.

ARC1301C   Architectural Design

Fall, Spring   3.00 Credits - 4.00 Hours

This course introduces the student to the basic concepts of architectural design, including aspects and determinants of form and space. Drafting skills and the concepts of graphic communication are introduced and developed. Lab fee required.

ARE2000   Art and Creative Expression

Fall, Summer   3.00 Credits - 3.00 Hours

This course provides a study of the techniques used in art, music, storytelling and dramatic activities with young children, birth through age eight, with emphasis on interdisciplinary learning. Students plan, implement and evaluate experiences that will contribute to the creative, motor, affective, perceptual, cognitive and aesthetic development of the young child.

ARH1000   Art Appreciation

Fall, Spring   3.00 Credits - 3.00 Hours

This course introduces students to art from a variety of cultures and historical contexts. Topics include major art movements, varieties of materials and aesthetic theories. Coursework covers formal terms, elements and principles common to the study of art and architecture. The course stresses the relationship of design principles to various art forms including, but not limited to, sculpture, painting and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods and media and students will have an increased vocabulary of art terminology. This course satisfies the

General Education State Core Humanities requirement for degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

ARH2050   Art History I

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course is an integrated study of the main developments of the visual art forms (architecture, sculpture and painting) from Paleolithic man to the Early Renaissance. World art will be integrated into the content. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

ARH2051   Art History II

Spring   3.00 Credits - 3.00 Hours

This course is an integrated study of the main developments of the visual art forms (architecture, sculpture and painting) from the 16th century to the present. World art will be integrated into the content. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

ART1201C   Design Fundamentals I

Fall, Spring, Summer   **3.00 Credits - 5.00 Hours**

This course provides an investigation into the dynamics of various organizing principles while exercising both traditional and contemporary media. Students explore the visual elements and fundamental principles of design in order to determine the constructs of order. Elements of visual literacy are also used to explore issues of symbol and human communication. Process and development are emphasized. This course is suitable for both the art major and non-art major. Lab fee required.

ART1203C   Design Fundamentals II

Fall, Spring, Summer   **3.00 Credits - 5.00 Hours**

This course involves the formal understanding and manipulation of the basic organizing principles of the three-dimensional world (point, line, plane, mass, volume, density and form). Students learn how to create and construct three-dimensional situations using basic hand tools and inexpensive, readily available materials. Three-dimensional design also involves the relationship of perceptual issues to manipulation of three-dimensional situations. This course is suitable for both the art major and the non-art major. Lab fee required. Prerequisite: ART 1201C.

ART1300C   Drawing I

Fall, Spring, Summer   **3.00 Credits - 5.00 Hours**

While acquiring various hand skills, the student addresses traditional and contemporary problems of representation and composition. Observation, analysis and organization are the basis for draftsmanship.

This course includes studies of line, plane, mass, volume, perspective, chiaroscuro, form and density. Additionally, students are introduced to a wide variety of drawing media. This course is suitable for both the art major and the non-art major. Lab fee required.

ART1301C   Drawing II

Fall, Spring, Summer   **3.00 Credits - 5.00 Hours**

The student uses skills gained in Drawing I to explore the development of a personal vision with regard to drawing concepts and visual composition. Color is introduced along with a painterly attitude toward depicting observational form. Drawing of the human figure is introduced with an emphasis on gesture, visual analysis and anatomy. Drawing skills are adapted into contemporary artistic concerns including the use of series. Lab fee required. Prerequisite: ART 1300C.

ART2330C Figure Drawing

Fall   **3.00 Credits - 5.00 Hours**

This course approaches the representation of the human figure through the study of structure, proportion, scale, anatomy and life qualities. Emphasis is on the act of seeing, recording and interpreting. Live models are used with an exploration of dry and wet media. Recommended for art majors and animation majors. Lab fee required. Prerequisite: ART 1301C with a grade of "C" or higher or permission of instructor.

ART2400C Printmaking I

Spring   **3.00 Credits - 5.00 Hours**

This course is an introduction to the basics of printmaking. Technical presentations will familiarize the student with intaglio, relief, silkscreen processes and concepts of image-

making. Students experience the artistic growth of imagery and technique while learning the use of tools, techniques and machinery used in printmaking. Emphasis is placed on the unique image-making properties of the processes explored. Use of the computer to explore photographic printmaking is introduced. This course is suitable for both the art major and the non-art major. Lab fee required. Prerequisite: ART 1201C or ART 1300C.

ART2401C Printmaking II

Fall   **3.00 Credits - 5.00 Hours**

The student will use skills gained in Printmaking I to further explore technical and aesthetic issues related to the intaglio, relief and silkscreen processes. Use of the computer as it relates to printmaking is further explored. Contemporary issues of printmaking and visual art are addressed. Lab fee required. Prerequisite: ART 2400C.

ART2500C Painting I

Fall, Spring   **3.00 Credits - 5.00 Hours**

This course is an introduction to technical and formal issues in acrylic and/or oil painting. This course is designed to assist the student in developing a visual language by emphasizing conceptual form, structure and content of the work produced. Students explore different methods of achieving visual dexterity with a focus on technique as it applies to meaning. A historical context to painting as a serious art form is introduced. This course is suitable for both the art major and the non-art major. Lab fee required. Prerequisite: ART 1201C or ART 1300C.

ART2501C Painting II

Fall, Spring   **3.00 Credits - 5.00 Hours**

The student uses skills gained in Painting I to explore a personal vision with regard to painting concept and image development. Discovery, individual voice and focus will be used to promote the student's interests through specific projects. This course considers contemporary issues in painting with an emphasis on movements and attitudes prevalent in the post-World War II art world. Lab fee required. Prerequisite: ART 2500C.

ART2570C Fresco Painting

Fall, Spring   **3.00 Credits - 5.00 Hours**

This course is an introduction to the techniques, materials, history and theory of fresco painting. Lab fee required. Prerequisite: ART 1300C.

ART2750C Ceramics I

Fall, Spring, Summer   **3.00 Credits - 5.00 Hours**

This course is an introduction to techniques and a variety of content and expression available to the ceramic hand-builder. The emphasis is to enable the student to realize dimensional imagery in clay from sculpture to pottery. The complete ceramic process is introduced. Students are encouraged to create individual expressions. This course is suitable for both the art major and the non-art major. Lab fee required.

ART2751C Ceramics II

Fall, Spring, Summer   **3.00 Credits - 5.00 Hours**

This is an intermediate-level course where the student explores the ceramic process ranging from sculpture to pottery. This course further develops techniques and a variety of content and expression available in both wheel thrown pottery and hand-building. Assignments are

used to explore the connection among potential functions, aesthetics and concepts. Students are encouraged to give expression to a personal statement within the ceramic process. Lab fee required. Prerequisite: ART 2750C.

ART2906C Directed Studies in Ceramics

Fall, Spring   3.00 Credits - 3.00 Hours

This course is scheduled for the individual student who wishes to explore special ceramics topics in greater depth than is possible in existing ceramics courses. The student must present a learning contract to the faculty member who is to direct the work. This course may be taken two times for credit. Lab fee required. Prerequisites: ART 2750C and ART 2751C and instructor permission.

ART2930C Selected Studies in Art

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction. Lab fee required.

ART2941   Art Internship - 1 CR

Offered as Needed   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which

includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ART2949   Art Internship - 3 CR

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ART2950   Travel Study in Art

Offered as Needed   3.00 Credits - 3.00 Hours

This is an art travel/study course combining preparation on campus, travel and study. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure.

ASL1140   American Sign Language I

Fall, Spring, Summer 4.00 Credits - 4.00 Hours

This course is designed as an introduction to the principles of American Sign Language (ASL) and the deaf culture. The student will be instructed in the study of ASL linguistic structure and develop a 300+ conceptually accurate sign vocabulary. Emphasis will be placed on conversational expressive/receptive skills and protocol. Lab fee required.

ASL1150 American Sign Language II

Fall, Spring, Summer 4.00 Credits - 4.00 Hours

In this course, the deaf culture and principles related to an intermediate level of conceptual sign language will be emphasized. Complex grammatical structure and construction will be introduced. Students will develop advanced receptive and expressive conversation skills. Lab fee required. Prerequisite: ASL 1140.

ASL2160 American Sign Language III

Fall, Spring 4.00 Credits - 4.00 Hours

This course is designed to be a continuation of American Sign Language II and is intended to increase competence in American Sign Language (ASL). Receptive and expressive skills are further developed. The student will study cultural anthropology as related to the deaf, sign syntax analysis, neural basis of sign linguistics, the community of the deaf, educational effect, deaf history and accommodations. Lab fee required. Prerequisites: ASL 1140 and ASL 1150 with a grade of "C" or higher.

AST1002 Introduction to Astronomy

Fall, Spring, Summer 3.00 Credits - 3.00 Hours

This course is a survey of the elementary aspects of the astronomical universe. Topics include the history and growth of astronomy, instrumentation, solar system, stars, galaxies and cosmology. Star-gazing sessions and planetarium trips are included to identify the prominent constellations and stars. This course satisfies the General Education State Core Science requirement for degree seeking students.

AST1002H Honors Introduction to Astronomy

Offered as Needed 3.00 Credits - 3.00 Hours

This course is a survey of the elementary aspects of the astronomical universe. Topics include the history and growth of astronomy, instrumentation, solar system, stars, galaxies and cosmology. Star-gazing sessions and planetarium trips are included to identify the prominent constellations and stars. This course satisfies the General Education State Core Science requirement for degree seeking students. Prerequisite: Acceptance into the Honors Program or permission from the Honors Director.

AST1002L Introduction to Astronomy Laboratory

Fall, Spring 1.00 Credit - 3.00 Hours

This is a basic astronomy laboratory for those registered in Introduction to Astronomy. Laboratory work will include constellation identification, telescope work, use of the planetarium and an introduction to the basic experimental techniques used in astronomy. Lab fee required. Prerequisite or corequisite: AST 1002.

AST2930 Selected Studies in Astronomy

Offered as Needed 3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit.

AST2950   Travel Studies in Astronomy

Offered as Needed   3.00 Credits - 3.00 Hours

This is a travel/study course combining preparation on campus, foreign travel, and study abroad in the discipline of Astronomy. Variable content depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before day of departure. Department consent is required for registration.

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* BCA0301 Pre-Apprenticeship Basic Construction Skills B

Spring   6.00 Credits - 180.00 Hours

This course will provide information on the National Electrical Code, blueprint reading and job site use, material identification, electrical safety on the job site, electrical theory mathematics, formulas, power tools and their use, OSHA, CPR and First Aid and the use and installation of electrical wiring, material and equipment.

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* BCA0470 Fundamentals of Fire Sprinklers I

Fall, Spring   2.00 Credits - 60.00 Hours

This course encompasses the fundamentals of the construction field. Students will gain knowledge with a basic introduction to the construction industry, including safety, math skills, blueprint reading, hand and power tools and basic rigging. Students will obtain CPR, First Aid and OSHA certifications.

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* BCA0471 Fundamentals of Fire Sprinklers II

Fall   2.00 Credits - 60.00 Hours

This course encompasses additional fundamentals of the construction field. Students will acquire human relations skills, interpersonal relationship skills, workplace productivity skills and will be introduced to the basic functions of a computer. In addition, this course encompasses the types of pipe hangers, supports and restraints found on the job and identifies various materials in threading piping systems. The student will also gain knowledge in flanged, grooved and plain-end fittings.

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* BCA0472 Fundamentals of Fire Sprinklers III

Fall   2.00 Credits - 60.00 Hours

This course encompasses general math trade skills and types of construction and plans used for the installation of sprinkler systems. The student will also gain knowledge in basic hydraulic concepts and selection of hydraulic design methods.

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* BCA0473 Fundamentals of Fire Sprinklers IV

Fall   2.00 Credits - 60.00 Hours

This course encompasses the fundamentals of fire pumps and the beginning basics of special extinguishing systems.

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*   Intermediate Fire Sprinklers I BCA0474C

Spring   2.00 Credits - 60.00 Hours

This course encompasses additional fundamentals of the construction field. Students will acquire human relations skills, interpersonal relationship skills, workplace productivity skills and will be introduced to the basic functions of a computer. In addition, this course encompasses the types of pipe

hangers, supports and restraints found on the job site and identifies various materials in threading piping systems. The student will also gain knowledge in flanged, grooved and plain-end fittings.

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* BCA0475 Intermediate Fire Sprinklers II

Spring   **2.00 Credits - 60.00 Hours**

This course encompasses the installation of underground fire mains and trim outs, purification and flow tests, test forms and approving authority requirements and tests, standpipe systems and classifications and codes.

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* BCA0476 Intermediate Fire Sprinklers III

Spring   **2.00 Credits - 60.00 Hours**

This course encompasses the chemical and physical properties of water, the different water supplies available for automatic fire sprinkler systems and the fundamentals of fire pumps. The student will also gain knowledge in the different types of pre-action and deluge systems along with troubleshooting techniques.

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* BCA0477 Intermediate Fire Sprinklers IV

Spring   **2.00 Credits - 60.00 Hours**

This course encompasses a more advanced look at special extinguishing systems, system design and inspection and maintenance.

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* BCA0478 Advanced Fire Sprinklers I

Summer   **1.20 Credits - 36.00 Hours**

This advanced course encompasses types of fire sprinkler systems, control valves, fire sprinkler symbols and hazards and required code capacities and times.

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* BCA0479 Advanced Fire Sprinklers II

Summer   **1.20 Credits - 36.00 Hours**

This course encompasses the final testing and inspection of a fire protection system, spacing location, position of sprinkler heads, hydraulic calculated systems, types of fire protection systems and valves, supplemental fire detection tests and code requirements.

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* BCA0494 Advanced Fire Sprinklers III

Summer   **1.20 Credits - 36.00 Hours**

This course encompasses an advanced look at special extinguishing systems and the inspection and maintenance of fire sprinkler systems. The student will also gain knowledge in the responsibilities and leadership skills needed to be a foreman.

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* BCA0495 Advanced Fire Sprinklers IV

Summer   **1.20 Credits - 36.00 Hours**

This is an advanced course encompassing foremanship responsibility.

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*   Fire Sprinkler OJT BCA0496L

Fall, Spring, Summer   **21.33 Credits - 640.00 Hours**

This application-based course encompasses the actual on-the-job training performance and proficiency of all fire sprinkler trade skills. This course may be repeated up to three times.

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*   Fire Sprinkler OJT BCA0497L

Fall, Spring, Summer   **22.67 Credits - 680.00 Hours**

This application-based course encompasses the actual on-the-job training performance and proficiency of all fire sprinkler trade skills. This course may be repeated up to six times.

BCN1221   Introduction to Building Construction

| Fall, Spring, Summer | 3.00 Credits - 3.00 Hours |

This course provides a broad overview of the built environment, the architectural, engineering and construction (A/E/C) industry as well as different career paths within the industry. Insight into the processes, the people and the practices involved to bring a building from a concept to reality are presented. An emphasis will be placed on the construction management process and the critical role of the construction manager. Course must be completed with a grade of "C" or higher. Lab fee required.

BCN1270C Graphic Communication in Construction

| Fall, Spring, Summer | 3.00 Credits - 3.00 Hours |

Studies in construction communication tools will provide an understanding and the interpretation of construction drawing systems to include blueprint reading. Students will develop both free-hand sketching skills for onsite redline drawings utilizing industry software such as Bluebeam and the introduction of basic Computer-aided design (CAD) applications. Lab fee required.

BCN1303C Introduction to Building Information Modeling

| Fall, Spring, Summer | 3.00 Credits - 3.00 Hours |

This course will introduce students to basic

knowledge in building information modeling. Students will learn to create and modify basic building elements, envelope systems and features in a simple 3D digital building model. Prerequisite: BCN 1270C or BCN 1251C or EGN 1111C.

BCN2230   Construction Materials and Methods I

| Fall, Spring, Summer | 3.00 Credits - 4.00 Hours |

This course offers an in-depth knowledge of the materials and methods employed in building construction. Students are introduced to building science, materials science, codes and standards in the construction industry. Construction techniques are presented as related to sitework and the building envelope. This course covers major construction materials such as soil, concrete, masonry, wood, metal and other finish materials. Course must be completed with a grade of "C" or higher. Lab fee required.

BCN2231   Construction Materials and Methods II

| Fall, Spring | 3.00 Credits - 3.00 Hours |

This course is a continuation of the discussion of materials, methods and techniques with an emphasis placed on mechanical systems such as HVAC, electrical, plumbing and fire suppression systems. As buildings have become more sophisticated, students will gain an understanding of communications, electronic safety and security and utilities of modern building construction as it pertains to construction processes. Other divisions addressed include, but are not limited to, furnishings, specialty construction, conveying systems, earthwork, construction equipment and exterior improvements. This course will also offer an in-depth study of today's advanced sustainable building technologies and sustainable rating systems. This course

must be completed with a grade of "C" or higher. Lab fee required. Prerequisite: BCN 2230 with a grade of "C" or higher.

BCN2251C Building Construction Documents

Fall, Summer   3.00 Credits - 3.00 Hours

This intermediate course provides a basic knowledge of how construction documents are prepared and the extraction of information from these documents. An emphasis will be placed on the interpretation of the information from the construction documents for construction planning and management as it applies to the scope of work, sequencing and processes, submittals, RFI, addendums and change orders. This course will familiarize students with commercial construction building systems, assemblies and the relationship between drawings from various disciplines such as civil, architectural, structural, MEP and so on. Topics include basic construction abbreviations, symbology and understanding various scales of drawings. Emerging computer technologies for construction management are introduced. Students must complete the class with a grade of "C" or higher. Lab fee required. Prerequisites: BCN 1221, BCN 2230 and (BCN 1270C or BCN 1251C or EGN 1111C).

BCN2272   Blueprint Reading

Fall, Summer   2.00 Credits - 3.00 Hours

In this course students will develop the knowledge and skills involved in the effective use and interpretation of the construction drawings and specifications. Students will learn how to examine a variety of different types of plans included within a standard set of drawings such as, civil, landscape/irrigation, architectural, structural, MEP, fire protection and communications to understand the scope of the project and the means and methods required to construct the project. Basic construction abbreviations, symbols and

various scaling will be introduced.

BCN2310C Virtual Design and Construction (VDC) in Construction Estimating

Spring   3.00 Credits - 4.00 Hours

This course explores the applications of virtual design and construction software in construction quantity extraction and estimating. Major topics include automated quantity take-off in Building Information Modeling and cloud-based estimating work flow process. VDC software such as Autodesk Revit and Assemble Systems will be used to prepare various levels of construction estimates. Lab Fee Required. Prerequisites: (BCN 1251C or BCN 1270C) and BCN 1303C.

BCN2311C Virtual Design and Construction (VDC) Planning and Scheduling

Summer   3.00 Credits - 4.00 Hours

This course explores the applications of virtual design and construction software in construction scheduling and planning. Major topics include construction progress visualization/simulation and clash detection in 3D construction models. VDC software such as Autodesk Navisworks will be used to visualize/ simulate construction schedules and identify/ solve spatial conflicts between various building systems/components. Lab Fee Required. Prerequisites: (BCN 1251C or BCN 1270C) and BCN 1303C.

BCN2312C Virtual, Augmented, and Mixed Reality (VR/AR/MR) Technologies in Construction

Summer   3.00 Credits - 4.00 Hours

This course explores the applications of Virtual Reality (VR), Augmented Reality (AR) and Mixed Reality (MR) in construction management. Fundamentals of VR/AR/MR

technologies will be covered. Hands-on activities using VR/AR/MR systems in exploration of design models and construction models are included. Current and emerging industry VR/AR/MR applications in visualization and constructability analysis will be introduced. Other topics include computer gaming applications in construction operation simulation and AR applications in construction layout and fabrication. Lab Fee Required. Prerequisites: (BCN 1251C or BCN 1270C) and BCN 1303C.

BCN2313C Virtual Design and Construction (VDC) Field Technologies

Spring   **3.00 Credits - 4.00 Hours**

This course explores the applications of emerging technologies in automating construction layout and documenting the construction process. Laser scanning and photogrammetry-based point cloud technologies for documenting existing or as-built conditions will be introduced. The course will also cover processing the raw point cloud data for integration with other VDC applications. Major topics also include cloud-based mobile construction documentation technologies and robotic total station application in construction layout. VDC software such as Autodesk ReCap and Navisworks will be used to process cloud point data and visualizations. Lab fee required. Prerequisites: (BCN 1270C or BCN 1251C or EGN 1111C), (BCN 1303C or ETD 2390), and SUR2101C.

BCN2320 Office Computer Applications for Contractors

Summer   **3.00 Credits - 3.00 Hours**

This course is intended to help construction students develop skills and proficiency in using common office applications such as the Microsoft Excel program that is required for computing tasks in other department courses

such as estimating, scheduling, financial analysis and project management. Other applications such as BlueBeam for common project administration tasks will be introduced as well.

BCN2405C Applied Statics in Construction

Spring, Summer   **3.00 Credits - 4.00 Hours**

This course covers the principles of statics, structural mechanics and their applications in construction. Some of the major topics include truss analysis, properties of various construction materials, stress and strain relationships, properties of sections, load factors, shear and bending in flexural loaded members, stresses in compression members, deflections and connections. Course must be completed with a grade of "C" or higher. Note: ETG 2502 or EGN 3310 may be substituted. Prerequisites: (MAC 2233 or higher mathematics course) and (PHY 1053C or PHY 1006 or higher physics course) with grades of "C" or higher.

BCN2721 Construction Scheduling and Planning

Spring, Summer   **3.00 Credits - 4.00 Hours**

This is an introductory course in project scheduling and planning using bar charts, critical path method (CPM), precedence diagram and linear scheduling methods. Students will develop an understanding of resource leveling, cost loaded schedule, updating, and expediting the schedule on construction projects. Students will work on a semester project to develop activities and sequences involved on a typical construction project. Industry standard software will be introduced in the class to create the various schedules. Course must be completed with a grade of "C" or higher. Prerequisites: BCN 1221, BCN 2230, BCN 1270C or BCN 1251C or EGN 1111C. Prerequisite or corequisite: BCT 2770.

BCN2930   Selected Studies in Building Construction

Offered as Needed   3.00 Credits - 3.00 Hours

This course explores topics specific to today's construction industry. Course material is delivered in a group setting and will often include a team project-based learning approach.

BCN2931   Selected Studies in Building Construction

Offered as Needed   1.00 Credit - 1.00 Hour

This intermediate course explores topics specific to today's construction industry. Course material is delivered in group setting and may include a team project-based learning approach. Topics and projects will vary.

BCN2941   Construction Management Internship

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications and general exposure to various aspects of the construction industry. Students are expected to complete the required 50 internship hours with general contractors, subcontractors, architectural and engineering firms, project owners or material suppliers to be considered a qualified learning experience. Seminars may be a component of this course. Regular contact with the assigned faculty advisor is required. Students shall secure an internship opportunity and/or employer sponsorship prior to seeking departmental approval. This course may be repeated based upon the student's academic plan. Lab fee required. Prerequisites: Dean and/or department approval of employer and job responsibilities

prior to registration in this course, a minimum of 12 technical college credits (excluding prep courses) in Building Construction completed at Seminole State College which includes courses specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State cumulative GPA of at least 2.5 and an appropriate job/internship placement. Self-registration is available upon final permission granted through the Career Development Center.

BCN2942   Construction Management Internship

Fall, Spring, Summer   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications and general exposure to various aspects of the construction industry. Students are expected to complete the required 100 internship hours with general contractors, subcontractors, architectural and engineering firms, project owners or material suppliers to be considered a qualified learning experience. Seminars may be a component of this course. Regular contact with the assigned faculty advisor is required. Students shall secure an internship opportunity and/or employer sponsorship prior to seeking departmental approval. This course may be repeated based upon the student's academic plan. Lab fee required. Prerequisites: Dean and/or department approval of employer and job responsibilities prior to registration in this course, a minimum of 12 technical college credits (excluding prep courses) in Building Construction completed at Seminole State College which includes courses specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State cumulative GPA of at least 2.5 and an appropriate job/internship placement. Self-registration is available upon final permission granted through the Career Development Center.

BCN2949   Construction Management Internship

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications and general exposure to various aspects of the construction industry. Students are expected to complete the required 150 internship hours with general contractors, subcontractors, architectural and engineering firms, project owners or material suppliers to be considered a qualified learning experience. Seminars may be a component of this course. Regular contact with the assigned faculty advisor is required. Students shall secure an internship opportunity and/or employer sponsorship prior to seeking departmental approval. This course may be repeated based upon the student's academic plan. Lab fee required. Prerequisites: Dean and/or department approval of employer and job responsibilities prior to registration in this course, a minimum of 12 technical college credits (excluding prep courses) in Building Construction completed at Seminole State College which includes courses specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State cumulative GPA of at least 2.5 and an appropriate job/internship placement. Self-registration is available upon final permission granted through the Career Development Center.

BCN2950   Travel Study in International Construction Management

Summer   **3.00 Credits – 3.00 Hours**

The importance of construction activities in a global economy will be explored through travel and exploration of historical and contemporary buildings having architectural and structural significance. Students will be exposed to international construction

management techniques, ethical issues in international construction and current efforts in sustainable design and construction. Lectures and coursework are complemented by walking tours led by experienced faculty and guest industry professionals. Students must be 18 years of age on or before departure.

BCN2951   Service Learning Project

Offered as Needed   3.00 Credits – 3.00 Hours

In collaboration with the engineering and interior design programs, students will have an opportunity to apply knowledge acquired from their coursework to real-world projects. Interdisciplinary teams will be presented with a humanitarian problem to solve that will address community needs such as the health, safety or the environment. Service learning projects will vary and may require international travel as part of the experiential learning experience.

BCN2955   Service Learning Project

Offered as Needed   6.00 Credits – 6.00 Hours

In collaboration with the engineering and interior design programs, students will have an opportunity to apply knowledge acquired from their coursework to real-world projects. Interdisciplinary teams will be presented with a humanitarian problem to solve that will address community needs such as the health, safety or environmental. Service learning projects will vary and may require international travel as part of the experiential learning experience.

BCN3205C Mechanical Systems in Construction

Spring, Summer   3.00 Credits – 3.00 Hours

This course provides an in-depth study of the fundamental principles of building mechanical

systems including plumbing, heating/ventilation/air conditioning (HVAC) and fire protection systems. An emphasis will be placed on understanding of proper planning, construction and commissioning of mechanical systems as related to the construction industry. Students will further develop a basic knowledge of current building codes and requirements. Students will develop skills in analyzing construction drawings for contract scope development and project control and management. Students must complete this course with a grade of "C" or higher. Prerequisites: BCN 2231 and BCN 2251C with a grade of "C" or higher.

BCN3225C Soil Mechanics and Foundations

Spring   **3.00 Credits - 4.00 Hours**

This course provides a basic understanding of the origin, composition and structure of soils, and how soil materials influence construction operations. The construction of different types of foundations and haul roads will be discussed. Students will learn methods of analysis and the interpretation of geotechnical reports. Testing of soils for construction quality control and assurance applications will be introduced and conducted as part of lab exercises. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisites: BCN 2230 and BCN 2231 with a grade of "C" or higher.

BCN3451C Structures

Fall, Spring   **3.00 Credits - 4.00 Hours**

This course covers the properties of major structural materials used in construction, design procedures and code requirements for wood, steel and reinforced concrete structure members such as beams, columns, slabs, footings, retaining walls and pre-stressed members and related formwork/temporary structures. Students will learn to apply knowledge of the Florida Building Code as

related to building construction and calculate code-required design loads. Students must complete this course with a grade of "C" or higher. Prerequisites: BCN 2405C or ETG 2502 with a grade of "C" or higher.

BCN3565C Electrical Systems in Construction

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course provides an in-depth study of the fundamental principles of building electrical power sources, wiring and circuitry. An emphasis will be placed on proper planning, construction and the understanding of electrical components and systems (i.e. wiring, lighting, security, etc.) as related to the construction industry. The student will further develop an understanding of current NFPA 70 national electrical code/building codes and requirements. Students will develop knowledge and skills in analyzing electrical drawings for scope development, project control and management, including coordination with other trades that require electrical power. Students must complete this course with a grade of "C" or higher. Prerequisites: BCN 2231 and BCN 2251C with a grade of "C" or higher.

BCN3568C MEPF Systems in Construction

Fall, Spring   **4.00 Credits - 4.00 Hours**

This course provides an in-depth study of the operational principles and construction practices of the building mechanical, electrical, plumbing, and fire protection (MEPF) systems. Students will develop knowledge and skills in analyzing MEPF drawings for budgetary estimate preparation, subcontract scope development, project control and management. Course must be completed with a grade of "C" or higher. Prerequisites: CONST-BS program plan with all construction program prerequisites completed with a grade of "C" or higher, BCN 2721, and SUR 2101C.

BCN3708   Construction Laws and Contracts

Spring, Summer   3.00 Credits - 3.00 Hours

This course provides an overview of the fundamental aspects of the legal system, laws and contract documents that affect the construction industry and the legal implications of managing a construction project. Students will learn the importance of contract language and apply concepts to determine potential risks. An emphasis will be placed on contract forms and provisions as related to liability, damages, risk management and dispute resolution. Other topics presented include insurance, warranties, environmental concerns, workplace issues and the role of ethics. Course must be completed with a grade of "C" or higher.

BCN3724C Advanced Construction Scheduling and Planning

Fall, Spring   3.00 Credits - 3.00 Hours

This advanced course is an in-depth study of construction project sequencing, scheduling and control. Students will analyze construction documents for planning, the management of construction processes and to create construction schedules for both residential and commercial projects. Construction quality assurance and cost control processes will be presented. Microsoft Project and Phoenix Project Manager software will be used to create various schedules. Lean construction principles and practices will be introduced. Course must be completed with a grade of "C" or higher. Prerequisites: BCT 2770, BCN 2721 and BCN 2251C with a grade of "C" or higher.

BCN3730   Construction Safety Management

Fall, Spring   3.00 Credits - 3.00 Hours

The emphasis of this course is construction safety, requirements and procedures

associated with the Occupational Safety and Health Administration (OSHA). Students will learn how to effectively manage safety including planning, inspections, prevention and the administration of safety processes on the job site. In addition, the students will be responsible for creating a construction safety plan. Other topics addressed include contractor safety management, dealing with language barriers, and understanding modern risk management techniques. Course must be completed with a grade of "C" or higher.

BCN3934   Advanced Selected Studies in Building Construction

Offered as Needed   3.00 Credits - 3.00 Hours

This course explores advanced topics specific to today's construction industry. Course material is delivered in a group setting and will often include a team project-based learning approach.

BCN3956   Advanced Service Learning Project

Offered as Needed   3.00 Credits - 3.00 Hours

For this advanced course and in collaboration with the engineering and interior design programs, upper-division level students will have an opportunity to apply knowledge acquired from their coursework to real-world projects and assume a leadership role in the assigned interdisciplinary team. Teams will be presented with a humanitarian problem to solve that will address community needs such as the health, safety or environment. Service learning projects will vary and may require international travel as part of the experiential learning experience.

BCN3957   Advanced Service Learning Project-Comprehensive

Offered as Needed   6.00 Credits - 6.00 Hours

For this advanced course and in collaboration with the engineering and interior design programs, upper-division level students will have an opportunity to apply knowledge acquired from their coursework to real-world projects and assume a leadership role in the assigned interdisciplinary team. Teams will be presented with a humanitarian problem to solve that will address community needs such as the health, safety or environment. Service learning projects will vary and may require international travel as part of the experiential learning experience.

BCN4612C Advanced Construction Estimating

Fall, Spring   3.00 Credits - 3.00 Hours

This advanced course covers the analysis and determination of construction costs such as indirect and overhead costs from a general contractor and/or construction manager perspective. Advanced topics presented include preconstruction services, industry project procurement processes, project delivery systems and contracts, the preparation of bid proposals and bidding strategies. Professional ethics will be addressed in this course. Students will be responsible for the development of a detailed cost estimate and bid proposal for a commercial building construction project. Course must be completed with a grade of "C" or higher. Prerequisites: BCT 2770, BCN 2721 and BCN 2251C with a grade of "C" or higher.

BCN4709C Construction Project Management

Fall, Spring   3.00 Credits - 3.00 Hours

This course explores various construction project management principles and practices that includes project organization, trades utilization/subcontracting, project administration/control processes, project risk profile analysis and mitigation, construction site/equipment analysis, construction quality assurance and quality control theories and

processes, and collaboration on multi-disciplinary teams. Course must be completed with a grade of "C" or higher. Prerequisites: CONST-BS program plan with all construction program prerequisite courses completed with a grade of "C" or higher and BCN 2721C, SUR 2101C, MAN 2021, BCN 3708.

BCN4753   Construction Financing and Accounting Principles

Fall, Summer   3.00 Credits - 3.00 Hours

Students will be introduced to the basic principles and applications of construction accounting and cost control. Important topics such as cash flow projections, overhead determinations, and profit centers specifically related to the construction industry will be presented. Students will become familiarized with accounting terminology and documents such as balance sheets, income statements, financial ratio analyses, depreciation, estimated cost at completion, and earned value analysis. This course must be completed with a "C" or higher. Prerequisites: BCT 2770, BCN 2721 and Any ACG, APA or FIN course.

BCN4787C Construction Capstone Project

Fall, Spring   6.00 Credits - 6.00 Hours

In this capstone course, students will demonstrate knowledge and skills acquired throughout the construction program of study. The course will simulate construction project management processes on a commercial project and will include the preparation of a comprehensive thesis binder for the assigned construction project. Subject areas such as project analyses, cost estimating, planning and scheduling, and project control processes will be addressed as well as construction safety and risk management. Students are required to take the American Institute of Contractors (AIC) Associate Constructor (AC) exam as part of this course. This course must be completed with a grade of "C" or higher. Lab fee required.

Prerequisites: CONST-BS program plan with all construction program prerequisites completed with a grade of "C" or higher and BCT 2731, SUR 2101C, BCN 3708, BCN 3724C, BCN 3730, BCN 4612C, BCN 4753.

BCN4946   Senior Construction Management Internship

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This advanced course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications and general exposure to various aspects of the construction industry. Students are expected to complete the required 300 internship hours with general contractors, subcontractors, architectural and engineering firms, project owners or material suppliers. The internship shall be in one or more of the following areas in construction project management for the internship to be considered a qualified learning experience: pre-construction services, bidding and estimating, scheduling, construction field supervision, field engineering and construction administration. Seminars may be a component of this course to enhance the learning experience. Regular contact with the assigned faculty advisor is required. Students shall secure an internship opportunity and/or employer sponsorship prior to seeking department approval. This course may be repeated based upon the student's academic plan. Lab fee required. Prerequisites: Dean and/or department approval of employer and job responsibilities prior to registration in this course, a minimum of 12 technical college credits (excluding prep courses) in Building Construction completed at Seminole State College which includes courses specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State cumulative GPA of at least 2.5 and an appropriate job/internship placement. Self-registration is available upon final permission granted through the Career

Development Center.

BCT1763   Work Place Safety

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This introductory course provides need-to-know information for students working in the construction environment. The course identifies safety best practices adopted to reduce or prevent workplace accidents and injuries based on current Occupational Safety and Health Administration (OSHA) standards as related to the building construction industry. Other topics introduced include current worker's compensation laws affecting the construction industry, methods available to reduce worker's compensation premiums, identifying the direct impact of long-term injuries, minimizing risk and identifying personal protection equipment (PPE) for safe working conditions. Upon successful completion of OSHA training modules, students will earn an OSHA 10-Hour industry certification. Lab fee required.

BCT2731   Construction Management Simulation

Fall, Spring   **3.00 Credits - 3.00 Hours**

The AS construction management program culminates in this capstone course. The course provides a comprehensive simulation of the project management process and roles of the construction project management team. Through a simulated construction project, students will assemble in teams and apply knowledge of estimating, scheduling, project control of construction activities, and analyze construction documents and specifications. Efficient office and administrative procedures and the use of appropriate documents and electronic technologies will be required. This course must be completed with a grade of "C" or higher. Prerequisites: BCN 2231, BCN 2251C, BCN 2721 and BCT 2770.

BCT2770   Estimating Fundamentals

Fall, Spring   3.00 Credits - 4.00 Hours

This course introduces the fundamentals of estimating process for construction projects. Topics include the work breakdown structure (WBS); extraction of quantities (quantity take-offs) such as area, volume, weight, etc., from construction documents; analysis and determination of direct and indirect costs; the uses of unit cost databases; bidding process; project delivery methods; and types of estimates. Computer-based construction estimating software will be introduced. Course must be completed with a grade of "C" or higher. Prerequisites: BCN 1221, BCN 2230, and (BCN 1270C or BCN 1251C or EGN 1111C).

*   Residential Wiring-CE BCV0001C

Fall, Spring   3.10 Credits - 6.00 Hours

This continuing education course is designed for individuals currently working in the profession seeking cross disciplinary training in residential wiring. This course covers residential wiring in accordance with the National Electrical Code. Topics include computation of circuit loads, wire sizes, type(s) of switches, ground fault requirements and appliance circuits. Special circuits for heating, pools and spas, service equipment and calculations and low voltage circuits will also be introduced. Lab fee required.

*   Commercial Wiring - CE BCV0002C

Fall, Spring   3.10 Credits - 6.00 Hours

This continuing education course is designed for individuals currently working in the profession seeking cross disciplinary training in commercial wiring. This course complies with the National Electrical Code requirements for commercial installations. Topics included are electrical services, circuits, conduit systems, heating and cooling systems, overcurrent protection, emergency systems and panelboard selections. Lab fee required.

* BCV0004 Construction Building Science and Methods

Fall, Spring   3.00 Credits - 90.00 Hours

Students are introduced to building science, materials and methods for today's facilities. Emerging technologies, materials and processes that impact the operation and maintenance of facilities will be explored. Students will gain an understanding of sustainability, sustainable building design and its relationship between health, energy efficiency and its economic benefits. Sustainable materials, practices and processes and renewable energy sources related to the built environment will be highlighted. Students will become familiar with legal constraints, the permitting process and gain a basic understanding of building codes. Standard practices and acceptable techniques will be emphasized. The course includes both online learning and on-campus experiences. Students must have access to a computer and the internet.

* BCV0005 Working in Construction Industries

Fall   3.00 Credits - 90.00 Hours

Beyond the technical skills acquired throughout the program, workforce or employability readiness skills are objectives of this course. Students will be introduced to the importance of soft skills such as effective communication, interpersonal relationships, teamwork, organizational/time management skills and a strong work ethic. Additionally, students will learn about contracts, gain an awareness of the purpose of building and zoning codes and discuss situations where

permits may be required. Students will also learn about professional licensing and exam preparation.

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* **Workplace Safety and Tool Skills**
BCV0011C

Fall, Spring, Summer   **3.00 Credits - 90.00 Hours**

Students entering into the construction building trade programs are introduced to common sense safety practices in order to minimize on-the-job injurues. An emphasis will be placed on jobsite safety rules, personal safety attitudes and behaviors. This course encompasses industry standards such as Occupational Safety and Health Administration (OSHA) rules and regulations, Material Safety Data Sheets (MSDS) and the proper use of safety equipment such as fire extinguishers and scaffolding. Students will become familiar with emergency response and disaster plans. Lab fee required.

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* BCV0040 Introduction to Blueprint Reading

Fall, Spring, Summer   **3.00 Credits - 90.00 Hours**

Students entering into the construction building trades are introduced to the different types of plans used in the industry and how information is conveyed through these documents. This course will familiarize students with light construction building systems and a variety of assemblies. Topics include basic construction abbreviations, symbology, various scaling of drawings and how the specifications identify materials and methods. Related building codes will be briefly discussed. Students will also gain practical math skills needed in the architectural, construction and associated subcontract or professions, such as measurements for material, calculation of work hours and labor costs. Lab fee required.

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* **Introduction to Carpentry and**
BCV0129C **Finishing Techniques**

Fall   **3.00 Credits - 90.00 Hours**

Students will be introduced to basic carpentry skills to include both rough and finish carpentry. In a hands-on lab environment, students will become familiar with various building systems such as roof, wall and ceiling framing and will develop skills installing windows, doors and cabinetry. An emphasis will be placed on safety and the proper use of hand and power tools. Drywall installation and finishing techniques will also be introduced. Product knowledge of primers, paints and stains and proper application techniques are also covered in the course. Lab fee required.

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* **Masonry, Tile and Flooring**
BCV0331C

Spring   **3.00 Credits - 90.00 Hours**

This classroom and lab course will teach students about masonry, tile and flooring. Students will learn how to determine masonry rations and mix and apply mortar. They will learn about a variety of floor coverings and how to estimate quantities needed for specified jobs. Students will also learn how and when to use the products. An emphasis will be placed on safety practices and procedures. Lab fee required.

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* **HVACR 1**
BCV0441C

Spring, Summer   **3.00 Credits - 90.00 Hours**

This introductory course provides an overview of heating, ventilation, air conditioning and refrigeration (HVACR) systems in residential and commercial settings. Students will gain knowledge of heating and cooling principles, standard safety practices in the industry and selecting refrigerants according to their

properties. Other topics presented in the course include determining the appropriate refrigerant level and repair/troubleshooting techniques. Emerging technologies in the HVACR industry such as computer monitoring control systems and air quality management will be introduced. Lab fee required.

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*   Plumbing I A
BCV0501C

Fall, Spring, Summer	3.00 Credits - 90.00 Hours

This theoretical and practical course provides a basic introduction to the plumbing industry. Students will learn the proper use of hand and power tools, while obtaining their OSHA 10-certification. Students will learn to use construction math applications and gain an understanding in reading prints and drawings. Explains the Pythagorean theorem and reviews methods for laying out square corners. Discusses the techniques used to calculate simple and rolling offsets, as well as offsets on parallel runs of pipe. Explains how to identify and interpret civil, architectural, structural, HVAC/mechanical, plumbing and electrical drawings. Discusses how to ensure accurate dimensions, generate RFIs and locate plumbing entry points as well as how to establish piping routes and fixture locations. Isometric drawings, material takeoffs, approved submittal data and Building Information Management (BIM). Lab fee required.

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*   Plumbing I C
BCV0510C

Fall, Spring, Summer	3.00 Credits - 90.00 Hours

This course introduces trainees to the different types of plastic pipe and fittings used in plumbing applications, including ABS, PVC, CPVC, PE, PEX and PB. Describes how to measure, cut, join and support plastic pipe

according to manufacturer's instructions and applicable codes. Also discusses pressure testing of plastic pipe once installed. Discusses sizing, labeling and applications of copper pipe and fittings and reviews the types of valves that can be used on copper pipe systems. Explains proper methods for cutting, joining and installing copper pipe. Also addresses installation, pressure testing, seismic codes and handling and storage requirements. Introduces trainees to hub and spigot and no-hub cast iron pipe and fittings and their applications in DWV systems. Reviews material properties, storage and handling requirements and fittings and valves. Covers joining methods, installation and testing. Discusses threading, labeling and sizing of steel pipe and reviews the differences between domestic and imported pipe. Covers the proper technique for measuring, cutting, threading, joining and hanging steel pipe. Also reviews corrugated stainless steel tubing. Lab fee required.

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*   Plumbing II A
BCV0512C

Fall, Spring, Summer	3.00 Credits - 90.00 Hours

This course introduces methods for adjusting structural members, insulating pipe and installing fire-stopping. Covers reinforcement techniques for modified structural members, how to measure, cut and install fiberglass and flexible foam insulation and how to identify walls, floors and ceilings that require fire-stopping. Explains how to locate, install, connect and test a complete drain, waste and vent (DWV) system. Discusses how to develop material takeoffs, set up and use levels, locate building sewers and building drains, locate fixtures and test a DWV system. Covers the proper techniques for locating, installing and connecting roof, floor and area drains and floor sinks according to code. Also discusses waterproof membranes and flashing, drain components, shower pans, trap primers and

proper drain applications. Lab fee required.

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*   Plumbing 1
BCV0513L

Spring   3.00 Credits - 90.00 Hours

This introductory course provides an understanding of basic plumbing components and systems. In a lab setting, the course integrates hands-on experience working with various pipes, fittings, connectors and fixtures commonly used in the plumbing trade. Students will also gain knowledge in the layout and installation of a water distribution system. Lab fee required.

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*   Plumbing 2
BCV0514C

Summer   3.00 Credits - 90.00 Hours

This course encompasses a more in-depth study of the plumbing trade. In a lab setting, the course integrates hands-on experience working with the layout and installation of a drain-waste-and vent system for a project. Students will also gain knowledge with the design, layout and installation of a domestic solar hot water system. The testing and inspecting of plumbing systems will also be introduced. Lab fee required.

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*   Plumbing 3
BCV0515C

Fall   2.50 Credits - 75.00 Hours

This course encompasses a more advanced study of the plumbing trade. Students will gain knowledge in finish plumbing skills. In a lab setting, the course integrates hands-on experience working with the installation of bathroom fixtures and hardware in addition to kitchen fixtures and hardware. Lab fee required.

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*   Plumbing II C
BCV0516C

Fall, Spring,   3.00 Credits - 90.00
Summer   Hours

This course introduces techniques for safe handling of natural gas, liquefied petroleum gas and fuel oil. Review fuel gas and fuel oil safety precautions and potential hazards, applications, systems installation and testing. Teaches techniques for sizing water supply systems, including calculating system requirements and demand, developed lengths, and pressure drops. Reviews the factors that can reduce efficiency of water supply piping. Introduces different backflow prevention devices and explains how they work, where they are used and how they are installed in water supply systems. Explains how to disinfect, filter and soften water supply systems. Discusses how to troubleshoot water supply problems, flush out visible contaminants from a plumbing system and disinfect a potable water plumbing system. Lab fee required.

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*   Plumbing II B
BCV0517C

Fall, Spring,   3.00 Credits - 90.00
Summer   Hours

This course explores the proper techniques for locating, installing and testing complete water service and distributions systems, including meters, water heaters, water softeners and hose bibs. Introduces trainees to basic backflow prevention and water hammer prevention and discusses the installation of shower and tub valves, ice maker and washing machine boxes and pipe stub outs and supports. Reviews types of valves, their components and applications. Also covers valve servicing. Covers the installation of basic plumbing fixtures, including bathtubs, shower stalls, lavatories, sinks, water closets and urinals. Reviews the installation of associated

valves, faucets and components. Also discusses how to connect appliances such as dishwashers, food waste disposers, refrigerators, ice makers and washing machines. Discusses gas-fired, electric, tankless, heat pump, and indirect water heaters, components and applications. Reviews proper installation and testing techniques and covers the latest code requirements for water heaters. Lab fee required.

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*   Plumbing III A
BCV0518C

Fall, Spring,   3.00 Credits - 90.00
Summer   Hours

This course reviews the different types of vents that can be installed in a drain, waste and vent (DWV) system and explains how they work. Also teaches design and installation techniques. Explains how to calculate drainage fixtures units for waste systems. Reviews how to size DWV systems, storm drainage systems and roof storage and drainage systems. Discusses corrosive wastes and reviews related safety issues and hazard communications. Discusses how to determine when corrosive-resistant waste piping needs to be installed as well as how to correctly select and properly connect different types of piping. Lab fee required.

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*   Plumbing III B
BCV0519C

Fall, Spring,   3.00 Credits - 90.00
Summer   Hours

This course explains the principles of compressed air systems and describes their components and accessories. Reviews installation and periodic servicing of air compressor systems. Covers the troubleshooting and repair of fixtures, valves and faucets in accordance with code and safety guidelines. Explains how to diagnose and

repair water supply and drainage piping, water heaters and other appliances and fixtures. Describes the effects of corrosion, freezing and hard water on plumbing systems. Describes the location and layout of plumbing systems for mobile home and travel trailer parks. Explains how to design and lay out a system, how to connect water and sewer lines to a mobile home and how to estimate materials and costs for the park. Lab fee required.

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*   Plumbing III C
BCV0520C

Fall, Spring,   3.00 Credits - 90.00
Summer   Hours

This course builds on trainees' previous experience with pumps, storage tanks, controls, pipes and fittings by explaining how to assemble those components into systems that boost water pressure and provide hot water. Explains the code requirements and installation procedures for systems that protect against contamination from indirect and special wastes. Discusses the different codes used by plumbers across the country and explains how those codes are written, adopted, modified and implemented. Lab fee required.

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*   Plumbing IV B
BCV0522C

Fall, Spring,   3.00 Credits - 90.00
Summer   Hours

This course introduces trainees to the knowledge and skills required for team leadership. Covers practical information about today's construction industry, basic leadership skills, safety responsibilities of a supervisor and a detailed survey of project control techniques. Lab fee required.

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*   Plumbing IV A
BCV0523C

Fall, Spring,   **3.00 Credits - 90.00**
Summer   **Hours**

This course is a review and prep class for the Journeyman Licensing exam. Students will research, interpret and discuss applications for relevant local and state plumbing codes. Lab fee required.

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* Plumbing I B
BCV0530C

Fall, Spring,   **3.00 Credits - 90.00**
Summer   **Hours**

This theoretical and practical course introduces electrical safety and the principles of electricity, including voltage, current, resistance and power. Includes important electrical formulas, circuitry and common plumbing-related electrical applications. Lab fee required.

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* Plumbing I D
BCV0531C

Fall, Spring,   **3.00 Credits - 90.00**
Summer   **Hours**

This course discusses the proper applications of code-approved fixtures in plumbing installations. Reviews the different types of fixtures and the materials used in them. Also covers storage, handling and code requirements. Explains how drain, waste and vent (DWV) systems remove waste safely and effectively. Discusses how system components, such as pipes, drains, traps and vents work. Reviews drain and vent sizing, grade and waste treatment. Also discusses how building sewers and sewer drains connect the DWV system to the public sewer system. Identifies the major components of water distribution systems and describes their functions. Reviews water sources and treatment methods and covers supply and distribution for the different types of systems

that trainees will install on the job. Lab fee required.

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* Basic Electrical Skills
BCV0600C

Spring   **3.00 Credits - 90.00 Hours**

This introductory course provides an understanding of basic electrical theory and skills necessary for maintenance and repairs. An emphasis will be placed on safety practices and procedures when working with electrical systems. In a lab setting, students will gain hands-on experience working with wiring, circuitry and troubleshooting electrical systems. Other topics include the various phases of electrical generation; schematics and symbols of electrical systems; and using Ohm's Lay to determine power. This course must be completed with a grade of "C" or higher. Lab fee required. Prerequisites: BCV 0011C and BCV 0040 with a grade of "C" or higher.

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* Electrician - Helper III
BCV0601C

Fall, Spring,   **2.50 Credits - 75.00**
Summer   **Hours**

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include the understanding of basic electricity. Students should be able to explain the principles of electromagnetism. Lab fee required.

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* Electrician - Helper II
BCV0602C

Fall, Spring,   **2.50 Credits - 75.00**
Summer   **Hours**

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include the use and

maintenance of tools used in the electrical industry, drilling holes in metal and wood for electrical wiring, reading and interpreting basic electrical codes and identifying licensure requirements for electrical occupations. Lab fee required.

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* **Electrician - Helper IV**
BCV0608C

| Fall, Spring, Summer | 2.50 Credits - 75.00 Hours |

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include applying mathematics to the understanding of basic electricity. Students should be able to demonstrate an understanding of basic Direct-Connect (DC) electrical skills. Lab fee required.

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* **Electrician - Helper I**
BCV0611C

| Fall, Spring, Summer | 2.50 Credits - 75.00 Hours |

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include the career paths available, safety rules and regulations, as well as OSHA training in hazards that arise in the industry and how they are mitigated or avoided. Explains the importance of health, safety, environmental stewardship and related regulatory compliance. Lab fee required.

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* **Electrician - Residential I**
BCV0629C

| Fall, Spring, Summer | 2.50 Credits - 75.00 Hours |

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include the identification of electrical symbols used in construction.

Students will draw a residential wiring plan. Lab fee required.

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* **Electrician - Residential II**
BCV0631C

| Fall, Spring, Summer | 2.50 Credits - 75.00 Hours |

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include the boxing out of a residential unit, wiring of a residential unit and performing continuity on a rough-in. Lab fee required.

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* **Electrician - Residential III**
BCV0632C

| Fall, Spring, Summer | 2.50 Credits - 75.00 Hours |

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include demonstrating alternating-current (AC) circuit skills, the use of high voltage testing equipment and identification of AC sources. Lab fee required.

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* **Electrician - Commercial I**
BCV0633C

| Fall, Spring, Summer | 2.50 Credits - 75.00 Hours |

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include the identification of electrical symbols used in commercial construction. Students will read and use commercial specifications in conjunction with prints. Lab fee required.

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* **Electrician - Commercial II**
BCV0634C

Fall, Spring, Summer   **2.50 Credits - 75.00 Hours**

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include the boxing out of a commercial unit, installing conduit, pulling conductors and performing continuity on a rough-in. Lab fee required.

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*   **Electrician Residential IV BCV0641C**

Fall   **2.50 Credits - 75.00 Hours**

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include the installation of residential service equipment and feeder circuits following local, state and national electrical codes. Lab fee required. Prerequisite: BCV 0604C.

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*   **Electrician - Residential V BCV0642C**

Fall, Spring, Summer   **2.50 Credits - 75.00 Hours**

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include the installation and testing of switches, receptacles, fixtures, et al. and performing a 'hot check' to test the installation and repair any defects found. Lab fee required.

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*   **Electrician - Residential VI BCV0643C**

Fall, Spring, Summer   **2.50 Credits - 75.00 Hours**

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include calculations required for residential installations, range calculations, service calculations, box fill and conduit fill. Covers codes required for residential installations, such as arc fault, smoke detectors, swimming pools and others. Lab fee required.

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*   **Electrician - Commercial III BCV0650C**

Fall, Spring, Summer   **2.50 Credits - 75.00 Hours**

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include demonstrating three phase alternating current (AC) circuit skills, use of high voltage testing equipment and identification of AC sources. Lab fee required.

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*   **Electrician - Commercial IV BCV0653C**

Fall, Spring, Summer   **2.50 Credits - 75.00 Hours**

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include the installation of commercial service equipment and feeder circuits following local, state and national electrical codes. Lab fee required.

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*   **Electrician - Commercial V BCV0654C**

Fall, Spring, Summer   **2.50 Credits - 75.00 Hours**

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include the installation and testing of commercial grade switches, receptacles, fixtures, et al. and performing a 'hot check' to test the installation and repair any defects found. Lab fee required.

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*   Electrician - Commercial VI BCV0655C

Fall, Spring,   2.50 Credits - 75.00 Summer   Hours

This course encompasses classroom/lab study of the fundamentals of the electrical trade. Areas of study include calculations required for commercial installations, secondary calculations, service feeder calculations, short circuit calculations and commercial lighting circuits. Lab fee required.

* BCV0920 Electricity - OJT

Fall, Spring, Summer .50 Credits - 15.00 Hours

This course will provide on-the-job training that parallels and reinforces training received in the related training portion of the electricity program.

* BCV0930 Selected Studies in General   Building Maintenance and Repair

Fall, Spring,   3.00 Credits - 90.00 Summer   Hours

This course explores topics relevant in today's building and machine maintenance settings. Course material is delivered in a group setting and often includes a team project-based methodology.

* BCV0931 Selected Studies in General   Building Maintenance and Repair

Fall, Spring, Summer 1.00 Credit - 15.00 Hours

This course explores topics relevant in today's building and machine maintenance settings. Course material is delivered in a group setting and often includes a team project-based methodology.

* BCV0933 Selected Studies in Electrical

Fall, Spring,   2.50 Credits - 75.00 Summer   Hours

This course explores topics relevant in today's electrical industry. Course material is delivered in a group setting and often includes a team project-based methodology. Lab fee required.

*   Building Maintenance Capstone BCV0942C

Fall, Spring,   3.00 Credits - 90.00 Summer   Hours

The certificate program culminates in this capstone course. A combination of classroom and/or online topics in project management, entrepreneurship opportunities and employability skills will complement the mastery of skills acquired throughout the program. In a lab setting, students will demonstrate knowledge on a comprehensive team project. Students must have access to a computer and the internet. Lab fee required.

BOT2432   Applied Mycology

Spring   3.00 Credits - 3.00 Hours

This course is intended to familiarize students with the basic biology of yeast and fungi that are of medical importance. A survey of common mycotic infections and mycotoxicosis is presented. It includes basic hands-on laboratory exercises involving the microscopic examination of samples and isolates, collecting samples for culturing yeast and fungi, preparation, inoculation and incubation of media, identification of yeast and fungal morphotypes (both microscopic and on culture media) using dichotomous or pictographic schemes, field studies and laboratory experimentations. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of

appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

BSC1005   Concepts of Biology

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is a study of the characteristics of living organisms. Unifying concepts such as metabolism, genetics, evolution and cellular organization will be investigated. Designed for non-science majors, this course does not fulfill the credit requirements for biology majors (see BSC 2010C). This class satisfies the General Education State Core Science requirement for A.A. degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

BSC1005C Concepts of Biology with Lab

Fall, Spring, Summer   **4.00 Credits - 5.00 Hours**

This course is a study of the characteristics of living organisms with emphasis on man. Unifying concepts such as metabolism, energy utilization and reproduction will be investigated. Laboratory exercises will emphasize basic principles of biology. Designed for non-science majors, this course does not fulfill the credit requirements for biology majors. Lab fee required. This class satisfies the General Education State Core Science requirement for A.A. degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of

EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

BSC1005H Honors Concepts of Biology

Offered as Needed   3.00 Credits - 3.00 Hours

This course is a study of the characteristics of living organisms. Unifying concepts such as metabolism, genetics, evolution and cellular organization will be investigated. Designed for non-science majors, this course does not fulfill the credit requirements for biology majors (see BSC 2010C). Honors level content. Permission from Honors Director required. This class satisfies the General Education State Core Science Requirement for A.A. degree-seeking students. Prerequisite: Acceptance into Honors program or permission from the Honors Director.

BSC1020   Human Biology

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides an introduction to scientific inquiry in relationship to the human body, its systems and basic functions with emphasis on homeostatic mechanisms. The structure and function of cells, tissues and organ systems will be investigated. Designed for non-science majors. This course does not fulfill the credit requirements for Biology majors. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

BSC1050   Biology and Environment

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is a study of interactions between living things and their biotic and abiotic environments with emphasis on the influence of humankind on natural systems and built environments. Designed for non-science majors, this course does not fulfill the credit requirements for biology majors. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

BSC1050H Honors Biology and Environment

Spring   **3.00 Credits - 3.00 Hours**

This course is a study of plant and animal interactions in their natural environment and the influence of man on these natural systems. Active learning components may include outdoor activities and/or field trips. Designed for non-majors. Honors level content. Permission of the Honors director is required. Prerequisites: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher and permission of Honors director or acceptance into Honors program.

BSC1076   Get Ready for Anatomy and Physiology

Fall, Spring   **1.00 Credit - 1.00 Hour**

This course is a primer to prepare students to succeed in a biology or anatomy and physiology courses. The course focuses on developing and improving study skills and emphasizes personal accountability. Course content includes a review of basic math, biology, chemistry and cells and introduces anatomical terminology and body basics. This

course cannot be used as a substitute for BSC 2010C.

BSC2004   Parasitology and Human Disease

Fall   **3.00 Credits - 3.00 Hours**

Students will be introduced to the most common lifestyle on earth: parasitism! This course will be a broad survey of parasites of humans, domestic and wild animals. Major topics will include ecological and evolutionary aspects of parasite-host interactions with an emphasis on life cycles, anatomy and physiology of parasites and immunological, pathological and clinical responses of hosts to parasitic infection. The treatment and control of parasites will also be discussed. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

BSC2010C General Biology I

Fall, Spring,   **4.00 Credits - 6.00**
Summer   **Hours**

This course is primarily for science majors or students with a strong biology background. It is a study of the molecular and cellular composition and function of living organisms. Emphasis will be given to structure, chemical metabolism and genetic mechanisms. Laboratory illustrates basic biological principles. Lab fee required. This class satisfies the General Education State Core Science requirement for A.A. degree seeking students. Prerequisite or corequisite: MAT 1033 or MAT 1100 or higher level mathematics course. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP

coursework for ENC 1101 eligibility with grades of "C" or higher.

BSC2011C   General Biology II

Fall, Spring, Summer   **4.00 Credits - 6.00 Hours**

A continuation of General Biology I, this course is designed for science majors or students requiring a full year of biology. Emphasis will be given to evolutionary relationships of living organisms. Structure, form and function of both plants and animals will be studied and ecological principles summarized. Required laboratory will correlate with lecture topics. Lab fee required. Prerequisite: BSC 2010C.

BSC2093C Anatomy and Physiology I

Fall, Spring, Summer   **4.00 Credits - 6.00 Hours**

This is the first part of a two-semester course that investigates in detail the structure and function of humans. The course is primarily designed for students of healthcare professions, biology or physical education. We will utilize a "system" approach, examining each organ system at the cellular, tissue, organ and system levels and discuss interactions with other systems. Emphasis will be placed on the homeostatic rather than the dysfunctional individual. Lab fee required. Prerequisite: BSC 2010C with a grade of "C" or higher.

BSC2094C Anatomy and Physiology II

Fall, Spring, Summer   **4.00 Credits - 6.00 Hours**

This course is the second part of a two-semester course that investigates the structure and function of humans. The course is designed for students of healthcare professions, biology or physical education. We

utilize a "systems" approach, examining each organ system at the cellular, tissue, organ and system levels and discuss interactions with other systems. Emphasis will be placed on homeostatic rather than dysfunctional individuals. Lab fee required. Prerequisites: BSC 2010C and BSC 2093C with a grade of "C" or higher.

BSC2901   Directed Studies In Biology

Offered as Needed   **1.00 Credit - 1.00 Hour**

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

BSC2905   Directed Studies in Biology

Offered as Needed   **3.00 Credits - 3.00 Hours**

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

BSC2930C Selected Studies in Biology

Offered as Needed   **3.00 Credits - 3.00 Hours**

In this course, topics of current interest are presented in group instruction.

BSC2934C Selected Studies in Biology

Fall   **4.00 Credits - 6.00 Hours**

In this course, topics of current interest are presented in group instruction. Prerequisite or

corequisite: ENC 1101.

BSC2941   Internship in Biology

Offered as Needed   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

BSC2942   Internship in Biology

Offered as Needed   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the

student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

BSC2949   Internship in Biology

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

BSC2950   Travel Study in Biology

Offered as Needed   3.00 Credits - 3.00 Hours

This is a travel/study course combining preparation on campus, travel and study in the discipline of biology. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure. Department consent is required for registration.

BSC3057   Introduction to Environmental

Studies

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course covers a broad range of environmental issues that provide a foundation for the understanding of the interactions between human behavior, technology and the natural environment. Course content provides an introduction to issues of biodiversity, appreciation of human impact, principles of sustainability, biotechnology, resource conservation, legal and policy issues and ethics. Prerequisites: BSC 1005 or higher and CHM 1020 or higher and PHY 1053C or higher.

BUL2240   Legal Issues for Small Businesses

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course focuses on the application of business law for the small business owner. Upon successful completion of the course, the student should be able to identify the various forms of business ownership and the legal and tax implications of each. Students will have an understanding of the laws covering issues such as personnel, contracts and the protection of intellectual property. The student will be able to understand and explain how to comply with the reporting requirements for local, state and federal entities.

BUL2241   Business Law I

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is a study of law as it relates to the sources of law, courts and court procedures, torts, crimes and contracts.

BUL2241H Honors Business Law I

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is a study of law as it relates to the sources of law, courts and procedures, torts, crimes and contracts. Prerequisite: Acceptance into Honors program.

BUL2242   Business Law II

Spring   **3.00 Credits - 3.00 Hours**

This course is a study of law as it pertains to agency, partnerships, corporations, real and personal property, wills and estates, insurance and negotiable instruments. Prerequisite: BUL 2241.

BUL2261   International Business Law

Fall   **3.00 Credits - 3.00 Hours**

This course involves an analysis of International Law and the World's Legal Systems as dynamic, social, and political institutions impacting legal considerations in corporate, government, domestic and foreign business environments. In this course, we will examine the differences in national laws and legal systems through an analysis and comparison of various foreign legal systems. We will also address various aspects of international business law, including but not limited to, resolving international commercial disputes, international sales and commercial transactions, access to foreign markets and regulation of import/export competition and unfair trading. This course is designed to acquaint the students with the general framework of the international legal system, the manager's role in it, and the specific institutions and practices that affect international business. The readings and assignments will assist the students in developing (1) a "comfort zone" with legal language and principles and (2) and ability to timely recognize legal implications in proposed business decisions. Case study will

assist the student in developing a rubric for the recognition and proper consideration of the legal aspects of common international business transactions.

BUL2560 Social Media, Its Environment, Rules and Regulations

Fall, Spring, Summer   3.00 Credits – 3.00 Hours

Upon successful completion of this course, students will have an enhanced knowledge of the impact that emerging technologies and social media platforms are having on the legal system, substantive areas of law, and the legal profession. Students will gain knowledge of how social media is affecting fundamental notions of jurisdiction, jurisprudence and substantive areas of law including family, criminal, tort, employment, securities, intellectual property, defamation, estate planning/probate, and constitutional law. In this course, the students will examine the various rules that businesses, schools, colleges, employers, states, and the federal government must be aware of when dealing with social media in corporate, government, and academic settings. Considering the novelty of the field of social media, the students will also entertain the most recent judicial opinions and Court decisions, as well. Corequisite: ENC 1101.

BUL2931 Selected Studies in Business Law

Fall, Spring, Summer   1.00 Credit – 1.00 Hour

This course explores topics relevant in today's legal studies discipline. Course material is delivered in an individual setting and often will include a research paper/project based on a current legal topic.

BUL3130 Legal and Ethical Environments of Business

Fall, Spring, Summer   3.00 Credits – 3.00 Hours

This course involves an analysis of the law as a dynamic, social and political institution in the business environment, including contract law, torts and ethical consideration. Prerequisite or corequisite: GEB 3213 (BIM students only).

CAP1760 Introduction to Data Analytics

Fall, Spring   3.00 Credits – 3.00 Hours

This course is designed for students who require or are interested in basic aspects of data mining and analytics using domain-specific data. Students learn the computerized techniques by which to organize, manipulate, report, present, depict and analyze domain-specific data in order to find or otherwise derive information. Prerequisite: CGS 2545C.

CAP2801 Simulation and Gaming Fundamentals I

Fall, Spring, Summer   3.00 Credits – 3.00 Hours

This course covers fundamental design and programming principles for computer games and simulations. Topics include discrete event simulation, gaming and simulations design and general gaming/simulation programming. Prerequisite: COP 2800.

CAP2804 Simulation and Gaming Fundamentals II

Fall, Spring, Summer   3.00 Credits – 3.00 Hours

This course extends the concepts covered in CAP 2801 to include advanced discrete simulation and video game programming principles. Topics include advanced simulation models, simulation and video game programming languages and programming

real world simulation systems. Prerequisites: COP 2224 and CAP 2801.

CAP3880   Simulation Software Design

Spring   **3.00 Credits - 3.00 Hours**

This course is an introduction to data structures, algorithms, programming methodologies and software architectures in support of computer simulation. Topics include lists, queues, sets, trees, searching, sorting, reusable code and order of complexity. Simulation structures developed include event lists, time management and queuing models. Software models are implemented and tested. Prerequisites: COT 3103, CDA 3100 and CEN 3024.

CBH1021H Honors Comparative Psychology & Animal Behavior

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This is an introduction to the basic principles of associative learning. The primary focus of the course is on how organisms learn about their relationships that occur in the environment. This will be achieved through studying the phenomena of classical and operant conditioning in animals and humans. Specific techniques for understanding behavior are presented. Honors level content. Permission required from the Honors Director. Prerequisite: Acceptance into the Honors program or permission from the Honors Director.

CCJ1000   Introduction to Private Security

Fall   **3.00 Credits - 3.00 Hours**

This course will provide a basic understanding of the security role in society. This course will present a global view of security along with the practical application of security principles.

Students will be exposed to physical security, personnel security and risk assessments as well as industrial security, institutional security and homeland security. Students will also be introduced to security management planning and administration.

CCJ1010   Introduction to Criminology

Fall, Summer   **3.00 Credits - 3.00 Hours**

This course consists of a survey of delinquent and criminal behavior patterns, including causation. Specific problems and selected case studies are examined.

CCJ1020   Introduction to Criminal Justice

Fall, Summer   **3.00 Credits - 3.00 Hours**

This course consists of the history, examination and evaluation of the courts, the police and the correctional organizations of the criminal justice system in the United States today. Contemporary problems and possible solutions are also considered.

CCJ1080   Introduction to Criminal Forensics

Fall, Spring   **3.00 Credits - 3.00 Hours**

This is a survey course introducing the student to the multidisciplinary nature of forensics. The scope of this course will include discovery at a crime scene, location of evidence, physical evidence, analytical techniques for organic and inorganic materials, forensic toxicology, firearms, ammunition, unique tool marks and various impressions.

CCJ1629   Introduction to Homicide

Spring   **3.00 Credits - 3.00 Hours**

This course is designed to provide a broad and rigorous academic investigation of homicide.

The student will go beyond what they have learned about murder through popular media presentations. Students will be exposed to a scientific study of different types of homicide, theories of homicide and homicide law as well as details about how homicide cases are worked on by detectives and how murder cases are dealt with in the courts.

CCJ2053   Criminal Justice Ethics

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course provides the basic philosophical principles necessary to analyze ethical dilemmas within the criminal justice world. This course also offers an approach that deals with real life examples of misconduct, the effects of misconduct, research on criminal justice ethics and the various policy issues in criminal justice. This course will also identify themes that run though the entire criminal justice system, for example, issues such as discretion and due process concerning practitioners in law enforcement, the courts and corrections. This course will also look at how the definition of justice is defined by criminal justice professionals who deal with these dilemmas on a daily basis.

CCJ2452   Managing a Criminal Justice Organization

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course will develop students to be effective managers by exposing them to concepts such as budget management, crafting program enhancements and proposals, project management, developing and maintaining agency policies, complying with federal and state labor laws and meeting expectations of accreditation bodies.

CCJ2460   Introduction to Criminal Justice Supervision

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course focuses on the fundamentals of criminal justice supervision such as motivation techniques, applying discipline appropriately, conducting effective and meaningful employee performance evaluations, operational planning and implementing staff schedules. The student will also be introduced to the concepts of effective leadership.

CCJ2482   The Public Face of Criminal Justice

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course introduces the student to the basic skills needed for effective public speaking and an appreciation for an effective public message program. The student will learn how to handle crisis management and the media as well as how to utilize social networking resources to meet the demands of the communities they serve.

CCJ2600   Inside the Criminal Mind

Fall, Summer   3.00 Credits - 3.00 Hours

This course examines various types and topologies of deviant criminal acts and the underlying causes of behavior of the perpetrators who commit them. Specific offenders and their behaviors will be studied.

CCJ2618   Evil Minds - Violent Predators

Fall   3.00 Credits - 3.00 Hours

This course will provide a basic understanding of those individuals who engage in predator violence, including serial killers, mass

murderers, serial rapists and stalkers. This course will discuss the ways law enforcement is dealing with these types of persons to detect, arrest and prosecute them. The course will also discuss ways in which male and female predators are similar and different. The course will also discuss which victims are selected and why a particular person becomes a victim.

CCJ2647   Organized Crime

Spring, Summer   3.00 Credits - 3.00 Hours

This course is an examination of organized crime, including structures, persons involved and their role, history and activities and the issues surrounding efforts to define and control it.

CCJ2650   Drugs, Alcohol and Crime

Fall, Spring   3.00 Credits - 3.00 Hours

This course examines substance abuse in the United States with an emphasis on social, historical and criminal implications.

CCJ2693   The Study of Sex Crimes

Fall, Spring   3.00 Credits - 3.00 Hours

This course provides a comprehensive overview of a wide range of sexual behaviors and sex crimes. This course will deal with crimes such as voyeurism and exhibitionism to rape, sex crimes against children and more. This course will study the unique and engaging case studies and first person accounts from the sex offenders. This course will study sex crimes, deviance and criminal behavior theory and analysis. The course will also deal with information on psychological profiling of sex offenders, the crimes they commit, the effects on their victims and attempted treatments.

CCJ2930   Selected Studies in Criminal Justice

Spring   3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken three times for credit and depending upon the subject may have a lab fee required.

CCJ2939   Criminal Justice Capstone

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This capstone course is the conclusion of the student's criminal justice academic experience and is the summation of the Criminal Justice Associate in Science (A.S.) degree program. The major focus of this course is to integrate the material acquired in the previous courses and apply knowledge to solve problems or issues relating to the criminal justice system or criminal justice agencies.

CCJ2941   Internship In Criminal Justice

Summer   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State

College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CCJ2942   Internship in Criminal Justice

Summer   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CCJ2949   Internship in Criminal Justice

Spring   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses)

completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CCJ3012   Criminological Theory

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course provides an advanced study and critical appraisal of various theories of crime causation, including an examination of biological, psychological, economic and sociological perspectives on the etiology of crime. An examination of the causes, types and patterns of crime in society will be included. Major schools of thought and current research are introduced, compared and contrasted in the study of crime and its social context. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

CCJ3024   The Criminal Justice System

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course is an advanced examination of the criminal justice system in the United States with an emphasis on crime data, its strengths and weaknesses and its uses. This course provides students with a comprehensive knowledge of the history, philosophy and organization of the U.S. police, the U.S. courts and correctional institutions, including probation and parole, as well as a study of crime, law and the administration of criminal justice in the U.S. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-

baccalaureate certificates.

CCJ4450   Criminal Justice Adminstration

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This advanced course provides an in-depth examination of both the practical and theoretical aspects of the administration of criminal justice agencies. Included will be an analysis of leadership styles, techniques in supervision, theories, practices and skills associated with managing personnel. Addressed are budgeting, organizational behavior, civil service, unions, manpower distribution, policy development and execution as applied in both small and large criminal justice agencies. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

CCJ4466   Critical Issues for the CJ Professional

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course focuses on critical concerns facing American criminal justice agencies, including discretion, abuse of authority, the stress and strain on the CJ professional, civil liability, victimization, wrongful convictions, human trafficking and mental illness in relation to offenders. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

CDA3100   Introduction to Computer Architecture

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course provides an introduction to computer taxonomy, description languages, conventional computer architecture, microprogramming, instruction sets, I/O techniques, memory, survey of non-conventional architecture and software interfaces. Prerequisite: COT 3103.

CEN2724   User Interface and User Experience Design

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

User Interface and User Experience (UI/UX) Design covers concepts in human-computer interaction that focus on designing user interfaces (UI) and user experiences (UX). Topics include understanding when to use different interfaces, modeling and representing user interaction with personas and scenarios, eliciting requirements and feedback from users, methods for designing and prototyping interfaces and UI/UX evaluation. The course also introduces students to current research on human behavior as it applies to user experience design. Through the course, students will come to understand how hardware and software design influence human/computer interaction. Prerequisite: COP 2830.

CEN3024   Software Development I

Fall	3.00 Credits - 3.00 Hours

Software development concepts are introduced in the context of hands-on project implementation. SDLC, version control, design with UML, documentation, testing, 2 and 3-tier architecture. Prerequisite: COP 2805 or COP 3330.

CEN4025   Software Development II

Fall	3.00 Credits - 3.00 Hours

A continuation of Software Development I (CEN 3024) with larger and more complex projects. Enterprise-level applications are covered, including distributed and web-based systems using n-tier architecture. Prerequisite: CEN 3024.

CEN4333   Advanced Database Development

Fall   3.00 Credits - 3.00 Hours

Professional-level database access from object-oriented systems, including complex SQL queries and stored procedures. Use of object-relational frameworks. Hands-on exercises with current RDBMS software. Prerequisites: COP 3703 and (COP 2805 or COP 3330).

CEN4802   Software Integration, Configuration and Testing

Spring   3.00 Credits - 3.00 Hours

This course addresses approaches and issues associated with integration of software subsystems and components into one system and ensures that the subsystems function together as a software system. Prerequisite: CEN 3024.

CET1178C Network Computer Maintenance and Repair (A+)

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course is an introduction to network maintenance and repair. Preventative maintenance and diagnosis of the microcomputer will be emphasized along with basic-to-advanced troubleshooting skills. Software and hardware tools will be used and evaluated in class. Preventative maintenance, upgrades, system diagnostics, configuration files, power, memory, drives, input/output (I/O), modems, communications, printing and

how these topics interact in the network will be examined. Lab fee required. Prerequisite: CET 1179 or equivalent course.

CET1179   Network Concepts and Operating Systems

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course is an introduction to computer networks and operating systems. Computer components are identified and their functions explained. Operating system functions include command execution, disk drive operations, file maintenance, directory maintenance, batch files and system configurations. Network topics include proper logging in, logging out, network security and network questions and solutions. Operating typical business software such as word processing, spreadsheets and database management of a network will be introduced. Lab fee required.

CET1526C Introduction to UNIX (Linux+)

Fall   3.00 Credits - 3.00 Hours

This course introduces students to the UNIX Operating System. The course includes an overview of UNIX, simple commands, the VI Editor, file system, shell, communication, program development, shell programming and shell scripts. Lab fee required. Prerequisite: CET 1179.

CET1600C Cisco Introduction to Networks (Net+)

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course is designed to prepare the student to apply and understand the basics of networking. The course introduces the architecture, structure, functions, components and models of the Internet and computer

networks. The principles of IP addressing, fundamentals of Ethernet concepts, media and operations are introduced to provide a foundation for the curriculum. Students will be able to build simple LANs, perform basic configurations for routers and switches, implement IP addressing schemes, and apply security best practices. This is the first part of a three-part series designed to prepare students for the Cisco Certified Networking Associate (CCNA) exam. Lab fee required.

CET1610C Switching, Routing, and Wireless Essentials

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to prepare the student to apply and understand the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts. Students will be able to configure and troubleshoot routers and switches for advanced operation using security best practices, resolve common issues with protocols in both 1Pv4 and 1Pv6 networks, configure VLANs and inter-VLAN routing, configure redundancy on a switched network using STP and EtherChannel and configure switch security to mitigate LAN attacks. This is the second of a three-part series designed to prepare students for the Cisco Certified Networking Associate (CCNA) exam. Lab fee required. Prerequisite: CET 1600C.

CET2528C Advanced UNIX Operating System

Offered as Needed   3.00 Credits - 3.00 Hours

Advanced features of the UNIX operating system will be covered in this course. Topics will include, but not be limited to, networking protocols, shell scripting, awk programming and system administration. Lab fee required. Prerequisite: CET 1526C.

CET2615C Enterprise Networking, Security, and Automation

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to prepare student to apply and understand the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. This course emphasizes network security concepts and introduces network virtualization and automation. Students will be able to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation. This is the third of a three-part series designed to prepare students for the Cisco Certified Networking Associate (CCNA) exam. Lab fee required. Prerequisites: CET 1600C and CET 1610C.

CET2625C Building Scalable Cisco Networks

Spring   **5.00 Credits - 6.00 Hours**

The Building Scalable Cisco Networks (BSCN) course focuses on using Cisco routers connected in LANs and WANs typically found at medium-to-large network sites. Upon completion of this training course, students will be able to select and implement the appropriate Cisco IOS(tm) services required to build a scalable, routed network. BSCN is part of the recommended training path for those students seeking the Cisco Certified Network Professional (CCNP), Cisco Certified Design Professional (CCDP) and Cisco Certified Internetwork certifications. Proof of CCNA certification required. Lab fee required.

CET2626C Building Cisco Remote Access Networks

Summer   **5.00 Credits - 6.00 Hours**

In the Building Cisco Remote Access Networks (BCRAN) course, students learn how to build, configure and troubleshoot a remote access network to interconnect central sites to branch offices and home offices. Students also learn how to access the central site, as well as to maximize bandwidth utilization over the remote links. BCRAN is part of the recommended training path for those students seeking the Cisco Certified Network Professional (CCNP), Cisco Certified Design Professional (CCDP) and Cisco Certified Internetwork certifications. Lab fee required. Prerequisite: CET 2625C.

CET2627C Building Cisco Multilayer Switched Networks

Fall   **5.00 Credits - 6.00 Hours**

In the Building Cisco Multilayer Switched Networks (BCMSN) course, network administrators learn how to build campus networks using multi-layer switching technologies over high speed Ethernet. This course includes both routing and switching concepts, covering both Layer 2 and Layer 3 technologies. Students taking this course should already know how to configure routers, switches, VLANs access lists, ISL and STP. BCMSN is part of the recommended training path for those students seeking the Cisco Certified Network Professional (CCNP) and Cisco Certified Internetwork Expert (CCIE) certifications. Lab fee required. Prerequisite: CET 2625C.

CET2660C Fundamentals of Network Security

Fall   **4.00 Credits - 4.00 Hours**

This course focuses on the overall security processes based on a security policy with an emphasis on hands-on skills in the areas of secure perimeter, secure connectivity, security management, identity services and intrusion detection. Upon completion of this course, students will be prepared for the following certification exams: Securing Cisco IOS Networks (SECUR), Cisco Secure PIX Firewall Advanced (CSPFA) and CompTIA Security+. Lab fee required. Prerequisite: CET 1610C or CCNA certification.

CET2662 Advances in Cybersecurity

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

In today's world, organizations must be prepared to defend against threats in cyberspace. Students must be familiar with the basic principles and best practices of cybersecurity to best protect their enterprises. In this course, examples from industry will be explored to give students the principles, the state of the practice and strategies for the future. Students will develop advanced skills by using ATTIVO (or similar) software to simulate real-world cyber attacks. Prerequisites: CET 1179.

CET2682 Cisco Voice-Over IP

Offered as Needed   **4.00 Credits - 4.00 Hours**

This course lays the foundation for gaining hands-on skills and significant understanding of packet telephony by presenting the technologies that are common for both Enterprise and Service Provider students. The course is designed to capture the breadth of technical issues surrounding the design of Voice-Over-Data networks and explain a methodology that brings order to approaching problems. The purpose of this class is to discuss the technical issues of designing Voice-Over-Data networks. This course will teach the student a methodology for implementing Voice-Over-Data networks. Upon completion of this course, students will be prepared for the Cisco Voice-Over IP certification exam. Lab fee required.

Prerequisite: CET 1675C or CCNA certification validated by dean.

CET2760C Web Server Management

Fall   **3.00 Credits - 3.00 Hours**

This course prepares students to setup, configure and manage a Web server. The course includes examining Internet and Intranet solutions and how to access/connect to the internet. It also includes the fundamentals of installing and configuring a Web server. Lab fee required. Prerequisite: CET 1179 or COP 2830.

CET2762   Amazon Web Services Fundamentals

Fall, Spring,   **3.00 Credits - 3.00**
Summer   **Hours**

This course is intended for students who seek an overall understanding of cloud computing concepts, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing and support. Prerequisite: CET 1179.

CET2930C Selected Studies In Computer Engineering

Offered as Needed   5.00 Credits - 6.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit. Lab fee required.

CET2941   Cooperative Education Internship in Network Administration

Offered as Needed   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CET2942   Cooperative Education Internship in Network Administration

Offered as Needed   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CET2949   Cooperative Education Internship in Network Administration

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CET3505   Computer Operating Systems

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course is a study of the fundamental concepts, structures and organization of operating systems. It includes the study of processes, threads, multi-tasking, concurrency and deadlocks, memory management and file management. Prerequisites: CET 1179 or equivalent and COT 3103.

CET3679   Principles of Telephony

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This is an introductory-level course in telephony technology. The telephony environment, tele-management, telephony connectivity and services of telephony will be covered. Prerequisite: CET 1600C or equivalent.

CET4367   Microcontroller Devices

Fall   3.00 Credits - 3.00 Hours

This course emphasizes the design and programming of microcontrollers. Students will be introduced to microcontroller architecture, use of programmable counter/ timer arrays, analog interfaces, serial communications and other peripherals. Prerequisites: EET 1035C, COP 3330 and COT 3103.

CGS1060C Introduction to Computers

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course provides an introductory study of computer and Internet concepts and online web applications. It teaches important computer and digital technology concepts, skills and issues necessary to succeed in careers and in life. Students completing this course will have a solid understanding of computer hardware, software and network fundamentals in addition to learning effective use of social media, online office web applications, collaboration, email and the Internet to aid them with college studies and workforce readiness. This course utilizes lectures and hands-on computer exercises. No prior experience with computers is assumed. Lab fee required.

CGS1848C Google Tools and Applications

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course will provide students with basic

and advanced ways to use Google tools to increase efficiency and save time, starting with an introduction to the browser and search engine, setting up a Google account and accessing gmail, calendar and drive. Students will use various Google apps to check the news, plan a trip, translate into another language, manage their wallet, collect and store images, communicate and collaborate while building learning networks. Productivity applications will be introduced using Docs, Sheets and Slides.

CGS2091C Social, Legal and Ethical Issues in Information Technology

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

An in-depth look at social, legal, and ethical issues related to the advent of computers and computing in modern society. Critical thinking skills will be applied to topics related to the information technology field; for example, privacy vs access to information, censorship vs civil liberties, intellectual property, and cyber-crime, as well as less controversial issues such as the impact the information on daily life and the digital divide.

CGS2100C Computer Applications

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This is an introductory course in computer applications that focuses on the effective use of word processing, spreadsheet, database and presentation software programs. Students will gain a fundamental knowledge of Microsoft Office 365 and learn skills that have practical applications in real world business situations. This course utilizes lectures and hands-on computer exercises. Lab fee required.

CGS2108C Advanced Computer Applications

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This is an advanced course in computer applications that focuses on the advanced use of word processing, spreadsheet, database and presentation software programs. Students will gain advanced knowledge of Microsoft Office 365 and have the necessary skills to solve real world business problems. This course utilizes lectures and hands-on computer exercises. Lab fee required. Prerequisite: CGS 2100C or department permission.

CGS2545C Database Management

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course is a study of database design and management. Topics include the relational model, Entity Relationship Diagrams (ERDs), database design and normalization, query languages, multi-user and distributed databases and data warehouses. Prerequisite: COP 1000 or CGS 2100C.

CHD2330 Early Literacy for Young Children

Spring   3.00 Credits - 3.00 Hours

This course describes how children acquire language and literacy and how teachers can design classrooms to promote oral and written language development. The course will stress planning for individual children, including children with special needs and English language learners as well as understanding the importance of the child's family in language and literacy development. Up to 10 hours of field observation is required.

CHM1020 Chemistry in Everyday Life

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This is a one-semester course for the non-science major designed to meet the General Education requirement. Presumes no chemistry or mathematics background. Basic chemical principles are covered and related to larger topics that may include the chemistry of water and the atmosphere, energy sources, natural and man-made materials and environmental issues. Laboratory exercises during the lecture may be used to complement course material. This course satisfies the General Education State Core Science requirement for degree seeking students.

CHM1020C Chemistry in Everyday Life with lab

Fall, Spring   4.00 Credits - 5.00 Hours

This is a one-semester course for the non-science major designed to meet the General Education requirement. Presumes no chemistry or mathematics background. Basic chemical principles are covered and related to larger topics that may include the chemistry of water and the atmosphere, energy sources, natural and man-made materials and environmental issues. Laboratory experiments are chosen that support these topics. Lab fee required. This course satisfies the General Education State Core Science requirement for degree seeking students.

CHM1020H Honors Chemistry in Everyday Life

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This is a one-semester course for the non-science major designed to meet the General Education requirement. Presumes no chemistry or mathematics background. Basic chemical principles are covered and related to larger topics that may include the chemistry of water and the atmosphere, energy sources, natural and man-made materials and environmental issues. Laboratory exercises during the lecture may be used to complement

course material. This course satisfies the General Education State Core Science requirement for degree seeking students. Prerequisite: Acceptance into Honors program.

CHM1032C Foundations of College Chemistry

**Fall, Spring,   4.00 Credits - 6.00
Summer   Hours**

This is a one-semester course designed to introduce the principles of chemistry to nursing and allied health students. It assumes no prior chemistry background. The course can also be used as a preparation for CHM 2045C. Topics will span general, organic and biological chemistry and cover problem-solving, atomic and molecular structure, chemical reactions, bonding, gas laws, radioactivity, an introduction to organic chemistry, carbohydrates, acids/bases and other selected topics. Lab fee required. Prerequisite: MAT 1033 or higher level mathematics course or test scores indicating MAT 1033 proficiency.

CHM2045   General Chemistry I

Offered as Needed   3.00 Credits - 3.00 Hours

This course serves as the first semester of the two-semester general chemistry sequence. Topics covered include problem-solving, atomic and molecular structure, chemical formulas and nomenclature, chemical reactions, stoichiometry, thermochemistry, bonding models, gas laws, solutions and other selected topics. This course satisfies the General Education State Core Science requirement for degree seeking students. Prerequisites: MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency is required; CHM 1032 or high school chemistry is recommended.

CHM2045CGeneral Chemistry I

Fall, Spring, Summer   **4.00 Credits - 7.00 Hours**

This course serves as the first semester of the two-semester general chemistry sequence. Topics covered include problem-solving, atomic and molecular structure, chemical formulas and nomenclature, chemical reactions, stoichiometry, thermochemistry, bonding models, gas laws, solutions and other selected topics. Laboratory experiments are chosen that support these topics. Lab fee required. This course satisfies the General Education State Core Science requirement for degree seeking students. Prerequisites: MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency is required; CHM 1032 or high school chemistry is recommended.

CHM2045CHHonors General Chemistry

Fall, Spring   **4.00 Credits - 7.00 Hours**

This course serves as the first semester of the two-semester general chemistry sequence. Topics covered include problem-solving, atomic and molecular structure, chemical formulas and nomenclature, chemical reactions, stoichiometry, thermochemistry, bonding models, gas laws, solutions and other selected topics. Laboratory experiments are chosen that support these topics. Lab fee required. This course satisfies the General Education State Core Science requirement for degree seeking students. Prerequisites: acceptance into Honors program and MAC 1105 with a minimum grade of "C" or higher or higher level mathematics course or test scores indicating MAC 1105 proficiency is required; CHM 1032 or high school chemistry is recommended.

CHM2045LGeneral Chemistry I Lab

Offered as Needed   **1.00 Credit - 1.00 Hour**

An introduction to experimental chemistry, including separation techniques, qualitative and quantitative analysis techniques, stoichiometry, titrations and spectroscopic analysis. Students will become proficient in a variety of laboratory techniques and data acquisition. Students must have already completed or be taking concurrently CHM 2095. Prerequisite or corequisite: CHM 2045 or CHM 2095.

CHM2046 General Chemistry II

Offered as Needed   **3.00 Credits - 3.00 Hours**

This course serves as a continuation of CHM 2045. Topics covered include chemical bonding models, properties of solutions, thermodynamics, reaction kinetics, chemical equilibrium, electrochemistry and nuclear chemistry. The course stresses integration of chemical knowledge. Prerequisite: CHM 2045 or CHM 2045C with a minimum grade of "C" or higher.

CHM2046CGeneral Chemistry II with Qualitative Analysis

Fall, Spring, Summer   **4.00 Credits - 7.00 Hours**

This course serves as a continuation of CHM 2045C. Topics covered include chemical bonding models, properties of solutions, thermodynamics, reaction kinetics, chemical equilibrium, electrochemistry and nuclear chemistry. The course stresses integration of chemical knowledge. The laboratory is primarily qualitative analysis. Lab fee required. Prerequisite: CHM 2045C with a minimum grade of "C" or higher.

**CHM2046CH Honors General Chemistry II
with Qualitative Analysis**

Fall, Spring   4.00 Credits - 7.00 Hours

This course serves as a continuation of CHM 2045C. Topics covered include chemical bonding models, properties of solutions, thermodynamics, reaction kinetics, chemical equilibrium, electrochemistry and nuclear chemistry. The course stresses integration of chemical knowledge. The laboratory is primarily qualitative analysis. Lab fee required. Prerequisites: acceptance into Honors program and CHM 2045C with a minimum grade of "C" or higher.

CHM2093   Chemistry for Teachers

Summer   3.00 Credits - 3.00 Hours

This course covers the basic principles of chemistry with applications of these principles to everyday phenomena. Lectures will include hands-on activities and demonstrations. Topics will vary to fit the specific needs of the teachers enrolled.

CHM2210C Organic Chemistry I

**Fall, Spring,   4.00 Credits - 6.00
Summer   Hours**

This course provides a basic introduction to all organic functional groups and nomenclature followed by detailed treatment of the relationship between structure and reactivity of organic molecules. Other topics include stereochemistry and synthesis. Lab fee required. Prerequisite: CHM 2045C with a minimum grade of "C" or higher.

CHM2211C Organic Chemistry II

**Fall, Spring,   4.00 Credits - 6.00
Summer   Hours**

This course provides a continuation of CHM 2210C. Topics covered include the chemistry and reactions of alcohols, ethers, sulfur compounds, aromatic compounds, aldehydes, ketones, carboxylic acids and amines. Various types of spectroscopy will be covered. Emphasis will be on reactivity, mechanisms and synthesis. Lab fee required. Prerequisite: CHM 2210C with a minimum grade of "C" or higher.

CHM2930   Selected Studies in Chemistry

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

CHM2941   Internship in Chemistry

Offered as Needed   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CHM2942   Internship in Chemistry

Offered as Needed   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

CHM2949 Internship in Chemistry

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development

Center.

CIS2028   Introduction to the IT Industry

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides students with a foundational understanding of information technology (IT) and information systems. The course examines the primary hardware and software systems that comprise a computing environment in various industries.

CIS2321   Systems Analysis and Design

Fall, Spring   3.00 Credits - 3.00 Hours

This course is a study of the fundamentals of systems analysis and how they are applied to the development of information systems for operations in the business environment. Major topics studied include methods of systems investigation, input/output design, system documentation, communication, implementation of new systems, control and security of systems, hardware selection and software development. Typical data processing applications are examined. Lab fee required. Prerequisite: Any 2000 level COP course with a grade of "C" or higher or department permission.

CIS2901C Case Study in Business Programming

Fall, Spring   3.00 Credits - 3.00 Hours

This course is designed to provide an opportunity for the student to apply his/her knowledge and understanding of systems analysis and computer programming to an actual business-oriented computer application. The student designs and implements a complete system of programs using tools developed in previous courses. Lab fee required. Prerequisites: CIS 2321 and CGS

2545C with a grade of "C" or higher and COP 2833 or COP 2805 with a grade of "C" or higher.

CIS3270   Continuous Simulation

Spring   3.00 Credits - 3.00 Hours

This course is an introduction to the fundamentals of modeling and simulating continuous-state, time-driven systems. Topics include mathematical equation representation of systems, formulation of state variable equations and numerical integration techniques including Taylor series, families of Runge-Kutta and Adams methods. Application domains considered include physical, biological, electrical systems and real-time simulations. Prerequisites: COT 3103, CDA 3100 and CEN 3024.

CIS3360   Principles of Security

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course provides an introduction and overview of security issues for organizational and institutional computing. Physical, software and computing systems security will be discussed. Students will be required to perform introductory security analyses, write code to automate some security preparedness tasks and set up a protection scheme for a simple PC computer. Prerequisite: CET 1179 or equivalent.

CIS4361   Applied Security

Fall, Spring   3.00 Credits - 3.00 Hours

This course provides topics in issues of security vulnerabilities and protection. Instruction includes hands-on laboratories to apply techniques and tools. Also included are current issues that impact personal and corporate computing. Prerequisites: CET 3505

and CIS 3360.

CIS4523   Managing IT Projects

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course covers how to properly manage IT projects, including technology-specific issues and concerns. The focus of the course is on how IT projects are managed and the tools and techniques that are unique to these projects. Prerequisite: ISM 3113.

CIS4891   Capstone Project

Fall, Spring   3.00 Credits - 3.00 Hours

Students will develop on an information systems project working in teams. The project will include analysis, design, development, testing and implementation. Teams will create and present a project proposal, design documentation, test plan and implementation plan to make the information system operational. Note: Students must complete this capstone course with a grade of "C" or higher as a graduation requirement for the IST-BS degree. Prerequisites for Cyber Security Specialization: CIS 4361, CNT 4504 and (ISM 4314 or CIS 4523). Prerequisites for Programming Specialization: CEN 4025, CEN 4333 and (ISM 4314 or CIS 4523).

CIS4891H Honors Capstone Project

Fall, Spring   3.00 Credits - 3.00 Hours

Students will develop an information systems project working in teams. The project will include analysis, design, development, testing and implementation. Teams will create and present a project proposal, design documentation, test plan and implementation plan to make the information system operational. Note: Students must complete this capstone course with a grade of "C" or

higher as a graduation requirement for the IST-BS degree. Prerequisites: Senior in good academic standing and IST-BS program plan and acceptance into the Honors program and the following courses: Prerequisites for Cyber Security Specialization: CIS 4361, CNT 4504 and (ISM 4314 or CIS 4523). Prerequisites for Programming Specialization: CEN 4025, CEN 4333 and (ISM 4314 or CIS 4523).

CJC1160   Community Based Corrections

Summer   **3.00 Credits - 3.00 Hours**

This course will explore the history, development and implementation of community-based corrections, specifically probation, parole and community control.

CJC1162   Introduction to Probation, Parole and Community Corrections

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides an in-depth study of the world of probation and parole. Students will investigate the conviction, adjudication and punishment of adults and juveniles who have been convicted of a criminal offense. This course will examine parole boards, the courts and others who may authorize the early release of offenders, subject to certain conditions. This course will analyze why some adult and juvenile offenders are permitted by the courts to remain free in their communities and the requirements of community supervision. The role and selection of probation and parole officers will also be covered.

CJC2000   Introduction to Corrections

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is a study of corrections for students of criminal justice to enable them to understand the development and conduct of its complexity and scope historically, traditionally, operationally and legally.

CJC4014   Correctional Theory

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides an advanced study of the history and current status of jails and adult prisons with emphasis on punishment rationales, institutional programs and procedures, inmates' social structures, correctional officers and correctional administration and contemporary issues in corrections. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

CJE1000   Introduction to Law Enforcement

Fall, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to develop an understanding of the law enforcement profession. It examines the various approaches of modern law enforcement as well as a historical overview of law enforcement. It provides a description of policing and examines law enforcement as a balance of social, historical, political, legal, individual and organizational forces.

CJE1204   Contemporary Topics in Gang Investigation

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course examines the unique and contemporary gang-related investigation topics, problems and issues that deserve greater exploration and analysis as the body of knowledge related to gang investigation evolves. The student will be introduced to the

contemporary issues surrounding the course topics, historical perspectives, foundational philosophies and strategies and programs within the context of the course topics.

CJE1640   Introduction to CSI

Fall   3.00 Credits - 3.00 Hours

This course strives to depict the role of the forensic scientist in the criminal justice system. This course is designed for the non-scientific student. The course is a classroom introduction to the world of forensic science that includes Internet application, ability and limitations of the modern crime laboratory. Forensic science begins at the crime scene. If an investigator cannot recognize, collect and package evidence properly, no amount of equipment or expertise in the laboratory will salvage the situation.

CJE1686   Cybercrime

Fall   3.00 Credits - 3.00 Hours

This course is designed to evaluate computer crime in non-technological language while presenting all basic modern procedures needed to investigate and prosecute it. This course also covers both forensic and legal issues, addresses the First and Fourth Amendments, the U. S. Patriot Act, international collaborations, identity theft, SmartPhones, GPS navigation, Cloud computing, cyberbullying and cyberterrorism.

CJE2160   Cultural Diversity in Public Safety

Fall, Spring   3.00 Credits - 3.00 Hours

This course examines current research and theories of racial and ethnic discrimination within America's criminal justice system. This course will include the analysis of patterns of criminal behavior and victimization, police practices, course processing and sentencing,

the death penalty and correctional programs. This course will incorporate discussion of all major race groups found in the United States.

CJE2400   Community Policing

Spring   3.00 Credits - 3.00 Hours

This course provides an examination of the growth of community policing by reviewing and researching traditional policy, community relations and community policing. It includes a view of social, behavioral and operational issues that are fundamental to effective policy and community relations.

CJE2540   Police Organization and Administration

Summer   3.00 Credits - 3.00 Hours

This course provides an overview of police administration and management. It examines various approaches to police organization and supervision. This course emphasizes the difference between management and leadership. Stress is placed on organization and individual values in order to accomplish common goals.

CJE2566   Domestic Violence, Date Rape and Stalking

Summer   3.00 Credits - 3.00 Hours

In this course, the student will develop a mature understanding of violence and abuse in intimate, dating and casual relationships. This understanding will be developed through an interdisciplinary perspective providing a contemporary view of the criminal justice experience with the diverse forms of violence and populations. This course will include dating violence, stalking, domestic violence and teen dating violence.

CJE2600   Criminal Investigation

Spring, Summer   3.00 Credits - 3.00 Hours

The fundamental principles, concepts and theory of investigation, interviews, interrogations, surveillance and sources of information, case preparations, problems in criminal investigation and investigative techniques of specific crimes are explored in this course.

CJE4310   Police Administration

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course provides an advanced study of the organization, management and administration of law enforcement agencies. Topics include police administration in the political arena, organizational theory, police organizational structure, leadership, organizational communication, police subsystem tasks, decision-making, performance evaluation and organizational improvement. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

CJJ2002   Juvenile Delinquency

Summer   3.00 Credits - 3.00 Hours

This course is designed to provide students with an understanding of the problem of juvenile delinquency. Topics include the history of juvenile delinquency and defining and measuring of juvenile delinquency in American society, theories of delinquency, the law enforcement role, juvenile court process, juvenile recidivism and the social and cultural influences involved in defining delinquency.

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* CJK0002 Introduction to Law Enforcement

Fall, Spring, Summer.40 Credits - 12.00 Hours

This course provides an overview of the Law Enforcement Basic Recruit Training Program and the requirements to become a sworn officer. You will learn about basic criminal ethics, ways to avoid compromising interactions, and command structure. You will also receive a basic introduction to the criminal justice system.

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* CJK0016 Communications

Fall, Spring, Summer   .80 Credits - 24.00 Hours

In this chapter, you will learn several communication skills that will make you safer and more effective in your work as a law enforcement officer. Officers who possess strong interpersonal skills can respond appropriately and potentially avoid triggering or escalating a crisis situation.

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* CJK0018 Legal

Fall, Spring, Summer   2.13 Credits - 64.00 Hours

As a law enforcement officer you must have a basic knowledge of the law and be able to apply the law to specific situations. To act properly and effectively as law enforcement officers without infringing on individual rights, you must have an understanding of federal, state and local laws. This course will provide a solid legal foundation to help you perform your duties.

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* CJK0019 Interviewing and Report Writing

Fall, Spring, Summer   1.87 Credits - 56.00 Hours

During an investigation, the most important thing you can find is the truth. Conducting lawful and effective interviews is a major

component of the investigative process and this requires developing strong note-taking and interviewing skills. In addition, you must learn to write effective reports.

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* CJK0020 Vehicle Operations

Fall, Spring, Summer   **1.60 Credits - 48.00 Hours**

This course will better prepare prospective officers to apply all applicable vehicle operations knowledge and techniques. Lab fee required.

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* CJK0021 Serving Your Community

Fall, Spring, Summer   **1.13 Credits - 34.00 Hours**

You will respond to a variety of calls for service while on patrol. These calls may involve people with unique challenges, people in crisis, and high-risk groups. This course provides an overview of how to respond safely to the diverse populations you will encounter.

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* CJK0023 Introduction to Law Enforcement

Offered as Needed   **.13 Credits - 4.00 Hours**

This course of instruction serves to familiarize the student with the criminal justice system and its functions, including the areas of law enforcement, corrections and the state and federal court systems.

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* CJK0024 Legal Concepts

Offered as Needed   **.67 Credits - 20.00 Hours**

This course of instruction serves to provide the student with a foundational understanding of America's legal system and the various types of laws, with an emphasis on Florida criminal law.

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* CJK0025 Patrol and Professional Communications

Offered as Needed   **.40 Credits - 12.00 Hours**

This course of instruction serves to provide the student with the necessary skills to operate radio equipment, conduct interviews and prepare basic written reports.

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* CJK0026 Interactions in a Diverse Community

Offered as Needed   **.40 Credits - 12.00 Hours**

This course of instruction serves to provide the student with the necessary skills to communicate effectively and professionally when interacting with people from varying backgrounds under a variety of circumstances.

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* CJK0027 Calls for Service and Arrest Procedures

Offered as Needed   **.80 Credits - 24.00 Hours**

This course of instruction serves to provide the student with the necessary skills to respond to calls for service, make arrests and transport prisoners. Students will learn the skills necessary to perform building searches and search, inventory and impound vehicles.

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* CJK0028 Traffic Stops and Crash Investigations

Offered as Needed   **.93 Credits - 28.00 Hours**

This course of instruction serves to provide the student with the necessary skills to identify and take appropriate enforcement action for traffic violations, to safely respond to and assist at the scene of traffic crashes.

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* CJK0029 Crime Scene and Courtroom

Procedures

Offered as Needed   **.27 Credits - 8.00 Hours**

This course of instruction serves to provide the student with the necessary skills to respond to and protect a crime scene and to deliver effective court testimony.

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* CJK0031 First Aid for Criminal Justice Officers

Fall, Spring, Summer   **1.33 Credits - 40.00 Hours**

This course will better prepare prospective officers to apply all applicable First Responder knowledge and techniques to emergency situations. Lab fee required.

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* CJK0040 Firearms

Fall, Spring, Summer   **2.66 Credits - 80.00 Hours**

This course is designed to give the student basic skills and knowledge needed to operate a firearm safely. Lab fee required.

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* CJK0051 Criminal Justice Defensive Tactics

Fall, Summer   **2.66 Credits - 80.00 Hours**

This course provides physical skills training to basic recruits covering the use of force in controlling subjects and for self-defense. Although there is some classroom instruction, most of this course is physical training. Lab fee required.

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* CJK0063 Fundamentals of Patrol

Fall, Spring, Summer   **1.33 Credits - 40.00 Hours**

This course provides an overview of the law

enforcement techniques and tactics that officers use while on patrol. This includes the use of communications equipment, community-oriented policing, and office safety and survival skills. It also explains how to respond to non-criminal calls and conduct structure and area searches, and provides resources that officers use while on patrol.

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* CJK0072 Crimes Against Persons

Fall, Spring, Summer   **1.60 Credits - 48.00 Hours**

In this course, you will learn how to respond to an incident that has the potential for an arrest by following a basic investigative sequence that focuses on fairness in the process and the outcome.

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* CJK0073 Crimes Involving Property and Society

Fall, Spring, Summer **.40 Credits - 12.00 Hours**

In this course, you will learn how to respond to an incident involving petit or grand theft and incidents involving a stolen vehicle or property.

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* CJK0079 Crime Scene Follow-up Investigations

Fall, Spring, Summer   **1.13 Credits - 34.00 Hours**

In this course, you will learn how to apply the rules and concepts of evidence to a crime scene and follow-up investigation to support a successful prosecution.

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* CJK0093 Critical Incidents

Fall, Spring, Summer   **1.47 Credits - 44.00 Hours**

In this course, you will learn the structure of the Incident Command System (ICS) and your role when responding to a critical incident. This course provides an overview of law enforcement techniques and tactics used when confronting large-scale or critical incidents. These may include natural disasters, active shooters, exposure to hazardous materials, and explosive devices.

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* CJK0096 Criminal Justice Physical Fitness

Spring, Summer   2.00 Credits - 60.00 Hours

This course introduces the student to the concept of fitness for living. Each student shall have the opportunity to evaluate one's self and engage in a planned program for fitness.

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* CJK0100 Criminal Justice Interpersonal Skills

Fall, Spring   2.06 Credits - 62.00 Hours

The student will learn community relations within a corrections environment, techniques and courtesy with emphasis given to assisting the inmate with rules and regulations. Intervention techniques for various situations including suicide, violence and other crises are studied. Human diversity, stress recognition and reduction are included. Lab fee required.

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* CJK0101 Interpersonal Skills II

Fall, Spring   1.66 Credits - 50.00 Hours

This course will provide the student with knowledge about human adjustment to imprisonment. The criminal types and careers are studied. Special population subgroup needs and programs are explored and inmate supervision techniques are examined. Lab fee required.

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* CJK0102 Correctional Operations

Spring, Summer   2.13 Credits - 64.00 Hours

In this course students learn the operation of a correctional facility. Safety and health care for inmates, inmate control procedures, property and classifications procedures are learned along with bonding and release regulations. Inmate disciplinary functions are taught according to state rules and regulations. Accountability and bookkeeping procedures, patrol techniques and hazards to the officer are also covered. Lab fee required.

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* CJK0132 Private Security Officer

**Fall, Spring,   1.33 Credits - 40.00
Summer   Hours**

This course prepares students to meet the certification requirements for an unarmed Private Security Officer (Class "D" license).

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* CJK0134 Armed Private Security Officer

Fall   .93 Credits - 28.00 Hours

This course prepares students for the Armed Private Security Officer advanced certified training for the Class "G" license and for specialized security such as those employed by nuclear generating plants and hospitals. Prerequisite: CJK 0132.

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* CJK0200 Overview of Corrections

**Fall, Spring,   .46 Credits - 14.00
Summer   Hours**

This course will instruct the student on the legal, ethical and professional requirements of a Correctional Officer. Instruction will include certification requirements, inmates' rights, use of force and applicable state and Federal statutes.

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* CJK0204 Law Enforcement Cross-Over to Correctional Introduction

Fall, Spring   1.96 Credits - 59.00 Hours

This course introduces the CMS law enforcement officer to competencies needed to qualify as a traditional corrections officer. This course covers the criminal justice communications and interpersonal skills necessary for a CMS law enforcement officer. This includes interactions with youth offenders and the mentally or physically handicapped along with crisis intervention techniques and suicide prevention training. It also includes the history and philosophy of corrections, prisoner and correction officer rights and responsibilities, ethical and professional behavior, classification of offenses, legal terms and courtroom procedures and the use of force, search and seizure concepts.

* CJK0205 Law Enforcement Cross-Over to Correctional Responding to Incidents & Emergencies

Fall, Spring, Summer.40 Credits - 12.00 Hours

This course will instruct the student in recognizing actual and potentially hazardous situations encountered in a correctional setting. Students will be instructed in the proper response procedures.

* CJK0221 Correctional Cross-Over to Law Enforcement Introduction and Legal

Spring   1.56 Credits - 47.00 Hours

This course includes the basic knowledge and skills for certified corrections officer(s) in law, criminal justice values and ethics, sexual harassment, constitutional law, classification of offenses, search and seizure, standards of legal justification, laws of arrest, laws of

interrogation, criminal intent, level of criminal involvement, drafting probable cause affidavits, use of force, legal considerations in juvenile law and information about the criminal justice system in Florida and the Criminal Justice Standards and Training Commission.

* CJK0222 Correctional Cross-Over to Law Enforcement Communication

Spring   1.86 Credits - 56.00 Hours

Law enforcement officers communicate daily with other law enforcement personnel, victims, witnesses, suspects, friends and relatives. This course will cover gathering information, correctly identifying their audience, conducting a basic interview, root causes of miscommunication, the organization of information chronologically, the organization of information categorically, information documentation, taking a statement, report classifying, using grammar correctly in writing reports and completing the arrest/probable cause affidavit.

* CJK0223 Correctional Cross-Over to Law Enforcement Human Issues

Spring   1.06 Credits - 32.00 Hours

Law enforcement officers respond to many calls involving suicidal, disabled, elderly, juveniles and those who are abusing legal/illegal substances. This course will enable the student to respond to the crisis call of the suicidal person, assess the risk of suicide and provide the most appropriate intervention to calm the situation. The student will learn to recognize the signs and symptoms specific to the disability and provide the proper intervention. The student will also assess the juvenile behavioral characteristics and provide the most appropriate intervention. The student will recognize the call involving substance abuse and with officer safety in mind, identify the substance and

paraphernalia on scene and provide the most appropriate intervention.

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* CJK0240 Law Enforcement Auxiliary Introduction

Offered as Needed   .90 Credits - 27.00 Hours

This is an introductory course in police auxiliary training and will give the student a general understanding of the various aspects of the duties of the law enforcement officer.

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* CJK0241 Law Enforcement Auxiliary Patrol and Traffic

Offered as Needed   .63 Credits - 19.00 Hours

This course addresses the skills and techniques that are needed by auxiliary officers to do patrol tactics and respond to various types of calls. This course also introduces methods of approach to various high-risk situations and hazards and techniques involving traffic-related incidents.

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* CJK0242 Law Enforcement Auxiliary Investigations

Offered as Needed   .56 Credits - 17.00 Hours

This course introduces the student to the methods and techniques of crime scene and criminal investigations.

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* CJK0280 Criminal Justice Physical Fitness Training

Spring   1.33 Credits - 40.00 Hours

This course introduces the student to the concept of fitness for living. Each student shall have the opportunity to evaluate one's self and engage in a planned program for fitness.

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* CJK0285 Criminal Justice Legal II

Fall, Spring   .73 Credits - 22.00 Hours

Constitutional law and its application to corrections officers' needs, evidence procedures, search and seizure and an in-depth coverage of specific offenses are the focus of this course. Lab fee required.

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* CJK0286 Criminal Justice Communications

Fall, Spring   1.40 Credits - 42.00 Hours

In this course the student is introduced to the report-writing process from the interview, taking statements and note-taking to the final correctional report produced. Inter-personal communication skills are covered along with radio and telephone equipment and procedures. Lab fee required.

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* CJK0290 Correctional Cross-Over to Law Enforcement Introduction and Legal Overview

Fall, Spring, Summer   1.60 Credits - 48.00 Hours

This course is part of the Correctional Office Cross-Over Training to Florida CMS Law Enforcement Basic Recruit Training Program, Criminal Justice Standards and Training Commission (CJSTC) Program 1191 and provides a legal foundation for the law enforcement profession.

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* CJK0291 Correctional Cross-Over to Law Enforcement Human Interaction and Communication

Fall, Spring, Summer   1.86 Credits - 56.00 Hours

This course is part of the Correctional Officer Cross-Over Training to Florida CMS Law Enforcement Basic Recruit Training Program,

Criminal Justice Standards and Training Commission (CJSTC) Program 1191 and provides basic information regarding human interaction, interviewing skills, telecommunications equipment and procedures and report-writing.

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* CJK0292 Correctional Cross-Over to Law Enforcement Response to Human Issues

Fall, Spring, Summer   **.80 Credits - 24.00 Hours**

This course is part of the Correctional Officer Cross-Over Training to Florida CMS Law Enforcement Basic Recruit Training Program, Criminal Justice Standards and Training Commission (CJSTC) Program 1191 and provides a foundation for responding and interviewing in a variety of situations involving persons with disabilities, substance abuse and other crises.

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* CJK0293 Overview of Law Enforcement

Fall, Spring, Summer   **2.13 Credits - 64.00 Hours**

This course provides an overview of the law enforcement training program and the requirements for students to become law enforcement officers, gives students instruction in criminal justice values and ethics, provides students with an understanding of the criminal justice system and instructs students in the relevant aspects of criminal and constitutional law.

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* CJK0294 Correctional Cross-Over to Law Enforcement Patrol II

Fall, Spring, Summer   **.66 Credits - 20.00 Hours**

This course is part of the Correctional Officer Cross-Over Training to Florida CMS Law

Enforcement Basic Recruit Training Program, Criminal Justice Standards and Training Commission (CJSTC) Program 1191 and provides basic patrol training for the law enforcement profession.

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* CJK0295 Correctional Cross-Over to Law Enforcement Officer Wellness

Fall, Spring, Summer   **1.16 Credits - 35.00 Hours**

This course is part of the Correctional Officer Cross-Over Training to Florida CMS Law Enforcement Basic Recruit Training Program (CJSTC) Program 1191. The academy and instructor are charged with developing wellness and nutritional materials for this course. The wellness nutritional component can be in outline format and should be structured to improve the overall health of the recruits. The plan should cover the basic elements of nutrition, weight control, stress management and other applicable topics. Training centers may also choose to include a physical fitness component. However, instructors are not required to conduct the two physical fitness tests required by CJSTC rules in a full basic recruit training program or submit form CJSTC-67A.

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* CJK0296 Reporting Procedures

Fall, Spring, Summer   **1.07 Credits - 32.00 Hours**

This course covers note-taking, interviewing and report-writing principles and mechanics. These are critical tasks that law enforcement officers must perform every day. During any investigation, the most important thing an officer can find is the truth. Lawful and effective interviews can lead an officer directly to the truth. Therefore, it is crucial to justice that officers develop effective interviewing techniques and note-taking skills. In addition, officers must develop effective report-writing skills. A poorly written report that contains

inadequate or inaccurate information can discredit the best of investigations and demean the writer's competence and professionalism.

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* CJK0297 Interactions in Crisis Situations

Fall, Spring, Summer .33 Credits - 10.00 Hours

This course offers students instruction in how to respond to crisis situations in a law enforcement context. Topics include medical, psychological and emotional situations and the correct responses.

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* CJK0300 Introduction to Corrections

Fall, Spring, Summer   **1.06 Credits - 32.00 Hours**

This course provides students with an overview of the correctional officer training program and the requirements for becoming a certified officer. It also provides instruction on basic criminal justice values, ethics and a foundational knowledge of the law and the ability to apply that law to specific incidents.

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* CJK0305 Communications

Fall, Spring, Summer   **1.33 Credits - 40.00 Hours**

This course provides students with practical communication skills for managing and supervising inmates, giving directions, answering questions and interacting with others in a professional and safe manner. The course includes interpersonal communication, telecommunications, interviewing, note-taking and report-writing.

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* CJK0310 Officer Safety

Fall, Spring, Summer .53 Credits - 16.00 Hours

This course provides students with an overview of officer safety and security concerns, identification, manipulation and deception, contraband and searches.

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* CJK0315 Facility and Equipment

Fall, Spring, Summer .26 Credits - 8.00 Hours

This course provides students with an overview and basic knowledge of standard equipment and materials used to keep correctional facilities clean, safe and secure. Students will also learn to identify common problems found when managing equipment.

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* CJK0320 Intake and Release

Fall, Spring, Summer   **.60 Credits - 18.00 Hours**

This course provides students with an overview of the various intake, classification and release processes used by county and state facilities.

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* CJK0325 Supervising in a Correctional Facility

Fall, Spring, Summer   **1.33 Credits - 40.00 Hours**

This course provides students with an overview of the role of the correctional officer in the care, custody and control of inmates. Students will also learn the importance of developing supervisory and observational skills, practicing officer safety and following policies and procedures to ensure the safe operation of a correctional facility.

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* CJK0330 Supervising Special Populations

Fall, Spring, Summer   **.66 Credits - 20.00 Hours**

This course provides students with an awareness of special populations and the appropriate responses when interacting with and supervising a variety of individuals that have been grouped together.

* CJK0335 Responding to Incidents and Emergencies

Fall, Spring, Summer .53 Credits - 16.00 Hours

This course provides students with an awareness and ability to apply knowledge, training and reasonable judgment to ensure the safety and security of all persons at the facility during an emergency.

* CJK0340 Officer Wellness and Physical Abilities

Fall, Spring, Summer   1.00 Credit - 30.00 Hours

This course is designed to prepare students to perform the physical duties as a correctional officer through the implementation of a physical fitness training plan and a nutritional component.

* CJK0354 Law Enforcement Cross-Over to Correctional Officer Wellness

Fall, Spring, Summer .40 Credits - 12.00 Hours

This course prepares the student for participation in lifestyle activities which will promote health and wellness.

* CJK0392 Cross-Over Handgun Transition Course

Fall, Spring, Summer   .80 Credits - 24.00 Hours

This course provides training and transitions a student from the use of a semi-automatic

handgun to a revolver or vice versa. Students must demonstrate proficiency for both handgun daytime and handgun nighttime using the course of fire specified in this course.

* CJK0393 Cross-Over Program Updates

Fall, Spring, Summer .26 Credits - 8.00 Hours

This course is designed for instructors to deliver expanded or updated instruction on curriculum topics contained in the cross-over program. The eight hours do not have to be taught in one block but may be distributed as needed throughout the program with the approval of the training center director. For example, additional time may be used to integrate updated techniques or instruction from the high liability textbook, apply relevant case law or review topics from the curriculum textbook not specifically designated for classroom instruction. Because these hours may be distributed to other courses in the cross-over program, a written end-of-course exam is not required for the cross-over program updates course.

* CJK0394 CPO: Crossover Program Updates

Fall, Spring, Summer .33 Credits - 10.00 Hours

This course will reinforce the materials covered in CJK 0031, First Aid; CJK 0051, Defensive Tactics, in preparation for the State Officer Certification Examination.

* CJK0400 Traffic Incidents

Fall, Spring, Summer .40 Credits - 12.00 Hours

This chapter will provide you with the necessary information about traffic statutes and procedures and will lay the foundations for you to practice excellent traffic enforcement. This includes directing traffic, issuing citations, and handling unattended, abandoned or disabled vehicles.

* CJK0401 Traffic Stops

**Fall, Spring,   .80 Credits - 24.00
Summer   Hours**

At the end of this lesson, you will know how to professionally interact with people during a traffic stop. Traffic stops are tense, and how you interact with those in the vehicle could shape the way they view law enforcement in their community.

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* CJK0402 Traffic Crash Investigations

**Fall, Spring,   1.00 Credit - 30.00
Summer   Hours**

At the end of this lesson, you will know the basic steps of traffic crash management and how to safely approach a traffic crash scene. This approach includes responding to, assessing and protecting the scene; gathering and evaluating information and evidence; returning the scene to the normal condition; taking appropriate enforcement action; and documenting the crash.

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* CJK0403 DUI Traffic Stops

**Fall, Spring,   .80 Credits - 24.00
Summer   Hours**

This chapter provides information on how a law enforcement officer detects impaired driving, administers field sobriety tests, makes arrests when appropriate and records the evidence of a DUI (driving under the influence) offense.

*** CJK0421 Conducted Electrical Weapons
                    (CEW)/Dart-Firing Stun Gun**

Fall, Spring, Summer   .13 Credits - 4.00 Hours

In this course you will learn the legal and use of force aspects of using a stun gun or CEW, how using a stun gun or CEW affects the human body and how to operate a stun gun or CEW safely.

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* CJK0480 Emergency Preparedness

Spring, Summer   .86 Credits - 26.00 Hours

This course will cover facility tensions, such as riots, by teaching students prevention procedures and techniques. It will also explore the handling of unusual disturbances, firefighting principles and emergency procedures for natural or man-made disasters. Lab fee required.

CJL1130   Criminal Procedure

Fall, Spring   3.00 Credits - 3.00 Hours

This course provides an understanding about balancing the power of government and the freedoms and privacy of citizens to allow the government enough power to serve and protect its citizens without unnecessarily invading individual rights.

CJL2100   Criminal Law

Spring, Summer   3.00 Credits - 3.00 Hours

This course identifies and defines principles and doctrines of law with emphasis on Florida criminal and civil statutes that provide sanctions for inappropriate behavior within our society.

CJL2131   Criminal Evidence

Fall, Summer   3.00 Credits - 3.00 Hours

The purpose of this course is to point out why the evidence of the law court follows its present direction. Course content includes considering rules of evidence and rules of exclusion. Tests of admissible evidence applied by the courts, including direct and

circumstantial evidence, will be covered.

CJL2500   U.S. Court Systems

Fall   3.00 Credits - 3.00 Hours

This course will provide students with an understanding of the court system. Students will study the abilities courts have to regulate our lives, shape what is acceptable and what is forbidden. Students will also study how the court system works to avoid violating people's rights and liberties. This course covers topics such as the role of courts in modern society, pressure on the courts and how that pressure is handled, various levels of courts, professionals who work in the system, the role of the victim, rights of the defendant and a step-by-step program to show how a case works its way through the court system. Students may be required to attend a session in an actual courtroom at the discretion of the instructor.

CJL3510   Courts and the Criminal Justice System

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course provides an advanced study and critical examination of the American court system, focusing on understanding judicial and prosecutorial discretion in the context of the legal, organizational and practical processes of decision-making. It also analyzes the role of appellate courts in the criminal justice process, the rules of evidence and socio-political influences on the judicial process. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

CLP2140   Abnormal Psychology

Spring   3.00 Credits - 3.00 Hours

This course will examine the clinical description and etiology of psychological disorders from an integrative perspective. Emphasis will be placed on theories of causation and current research on treatment modalities. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: PSY 2012. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

CNT1401   Cybersecurity 101: Living Safely in a Digital World

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course prepares the non-technical student to understand how Cybersecurity affects them in their personal and career lives. A basic understanding of cybersecurity terminology provides the foundation to consider the best practices and behaviors related to laptop/desktop systems, mobile devices, accessing free Wifi, utilizing social media, working with personal and work-related email accounts and utilizing the cloud for storage.

CNT3406   Enterprise Security

Fall, Spring   3.00 Credits - 3.00 Hours

This course covers the issues of providing computer security in an enterprise environment. Students will learn the threats to any enterprise and how to properly address these threats with an appropriate response. Prerequisite: CIS 3360.

CNT3940   Cooperative Internship in Information Systems Technology

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisite: Junior in good academic standing.

CNT4422   Securing the Cloud

Fall, Spring   3.00 Credits - 3.00 Hours

This course covers the intricacies of providing security in cloud-based computing. Students will learn how to provide a sturdy and stable framework to secure their organization's piece of the cloud through consideration of alternate approaches, such as private vs. public clouds, SAAS vs IAAS and loss of control and trust. Prerequisite: CIS 3360.

CNT4504   Computer Networks and Distributed Processing

Spring, Summer   3.00 Credits - 3.00 Hours

In this course, students will study architectures, protocols and layers in distributed communication networks and develop client-server applications. Topics include the OSI and TCP/IP models, transmission fundamentals, flow and error control, switching and routing, local and wide-area networks, wireless networks and client-server models. Students will extend

course topics via programming assignments, library assignments and other requirements. Prerequisite: CDA 3100.

CNT4514   Wireless Networks and Portable Devices

Fall, Summer   3.00 Credits - 3.00 Hours

Students in this course will study wireless and emerging network technologies. They will examine the effects of mobility on network issues such as architecture, security, privacy, file systems, resource discovery, resource management (including energy usage), personal online identities and other areas. Students will acquire hands-on experience with mobile and sensor platforms. Prerequisite: CIS 3360.

CNT4524   Mobile Security

Fall, Spring   3.00 Credits - 3.00 Hours

This course covers the issues of providing information security for mobile devices in our ever-changing corporate environment. As each generation of portable electronic devices and storage media becomes smaller, higher in capacity and easier to transport, it is becoming increasingly difficult to protect the data on these devices while still enabling their productive use in the workplace. Prerequisite: CIS 3360.

CNT4704   Network Design and Planning

Fall, Spring   3.00 Credits - 3.00 Hours

In this course students will examine computer network goals, models and designs for both local-area and wide-area networks with specific emphasis on internetworking principles. They will evaluate current network technologies and use these in the planning of a network. Through simulation techniques and graph and queuing theory, students will plan

the capacity of a network and analyze its performance. Prerequisites: CIS 3360, CNT 4504 and CNT 4514.

CNT4704H Honors Network Design and Planning

Fall, Spring   **3.00 Credits - 3.00 Hours**

In this course, students will examine computer network goals, models and designs for both local-area and wide-area networks with specific emphasis on internetworking principles. They will evaluate current network technologies and use these in the planning of a network. Through simulation techniques and graph and queuing theory, students will plan the capacity of a network and analyze its performance. Prerequisites: CIS 3360, CNT 4504, CNT 4514 and acceptance into the Honors program.

CNT4930   Trends in Cyber Security

Spring   **3.00 Credits - 3.00 Hours**

This course will examine the latest trends and topics in the field of study. Students will learn and work with these new technologies and research the latest trends and topics. Prerequisite: CIS 3360.

COP1000   Principles of Computer Programming

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course covers the basic concepts of computer programming. Students use a structured approach using the Java programming language to design and program logic techniques such as iteration, initialization, conditional processing, accumulation and sequencing. Also considered are programming style and program efficiency. Logic techniques and data formats

are illustrated using high level programming languages. This class utilizes classroom lecture and hands-on programming exercises. A working knowledge of the Windows PC including starting programs, saving files and copying files is required. Lab fee required.

COP1250   Computer Programming Fundamentals

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course covers the basic concepts of computer programming using the Java programming language and is structured for students who have completed a course in programming using a programming language other than Java. A working knowledge of the Windows PC, including starting programs, saving files and copying files is required. Lab fee required. The prerequisite for this course is COP 1000 taken in a programming language other than Java. Departmental approval is required. Prerequisite: COP 1000 not taken in the Java programming language and department consent.

COP2047   Python Programming

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

An introduction to the Python programming language to include control data structures, functions and web implementation. Prerequisite: COP 1000.

COP2224   C++ Programming

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides an introduction to object-oriented programming and the C++ programming language. Students will create, document, run and debug programs using

computer facilities on campus. Key topics include variables, classes, objects, selection, iteration, strings, arrays, pointers and functions. Lab fee required. Prerequisite: COP 2800 with a grade of "C" or higher or department permission.

COP2360   C# Programming

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides an introduction to the C# programming language. Students will learn the basic features of the language, including selection, iteration, data types and scope. In addition, the course will cover the object-oriented aspects of the language including encapsulation, inheritance and polymorphism. Lab fee required. Prerequisite: COP 1000.

COP2800   Programming in Java

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides an introduction to object-oriented programming using the Java programming language. Students will design, build, test and debug computer applications that utilize classes, objects, inheritance, polymorphism and interfaces. Lab fee required. Prerequisite: COP 1000 taught in Java with a grade of "C" or higher, or COP 1250 with a grade of "C" or higher, or department permission.

COP2805   Advanced Java Programming

Fall, Spring   **3.00 Credits - 3.00 Hours**

In this course the student will learn the more advanced features of the Java programming language and object-oriented programming. Advanced Java applications will be created that utilize graphical user interfaces, data structures, databases, multithreading,

Internet communications and multimedia. Lab fee required. Prerequisite: COP 2800 with a grade of "C" or higher or department permission.

COP2822   Web Applications

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

Web Applications introduces students to the art of web development by using industry standard tools and scripts to construct commercial-grade web pages. The course will cover the software tools available to create and develop web pages as well as hands-on experience configuring a variety of software used on a website. Lab fee required.

COP2830   Web Programming I

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

Web Programming I will focus on the skills required for web application development using XHTML, client-side scripting and basic server-side scripts. This course will explore the syntax, semantics and limitations of page layout, Cascading Style Sheets and basic scripting. Implementation of server-side scripting will be covered as it pertains to form processing. Examples of tools, W3 standards and cross-browser compatibility will also be examined. Upon completion of the course, the student will be able to design, program and publish a commercial-grade website. Lab fee required.

COP2831   Advanced JavaScript

Spring   **3.00 Credits - 3.00 Hours**

This course will teach the student how to build applications based on JavaScript technologies. Topics covered include working with Node.js, JSON, REST, NoSQL databases and popular

JavaScript application frameworks. Upon completion of this course, the student should be able to build a rich internet application based on front-end technologies. Prerequisites: COP 1000 and COP 2830.

COP2833   Data Driven Websites

Fall   **3.00 Credits - 3.00 Hours**

Databases drive today's e-commerce websites. This course demonstrates how to leverage the power of a relational database through the use of SQL and server-side scripting. The student will explore server-side scripts in a variety of languages to provide dynamic website content. The course will demonstrate how to connect to data from standard ODBC-compliant databases and create database-driven websites. Upon successful completion of this course, students will be able to design, develop and publish a dynamic database-driven application suitable for use in business or e-commerce. Lab fee required. Prerequisites: COP 1000 and COP 2830 and CGS 2545C.

COP2836   Web Programming II

Fall, Spring,   **3.00 Credits - 3.00**
Summer   **Hours**

This course introduces the student to modern web development with a client-side JavaScript framework, a service tier and a back-end database. The student constructs a sample web application and studies topics such as constructing forms, using CSS frameworks, source control and deployment. Prerequisites: COP 2830 and COP 2831.

COP2930   Selected Topics In Computer Programming

Offered as Needed   **3.00 Credits - 3.00 Hours**

In this course, topics of current interest are presented in group instruction. Lab fee

required.

COP2931   Selected Topics in Computer Programming

Offered as Needed   **1.00 Credit - 1.00 Hour**

In this course, topics of current interest are presented via individual or group instruction. Generally, the student will work with a faculty member to explore a subject not covered in the standard curriculum.

COP2941   Internship in Computer Programming

Offered as Needed   **1.00 Credit - 1.00 Hour**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

COP2942   Internship Computer Programming

Offered as Needed   **2.00 Credits - 2.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to

practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

COP2949   Internship in Computer Programming

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

COP3330   Object-Oriented Programming

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course explores the concepts of object-oriented programming, including abstraction, encapsulation, inheritance and polymorphism. The applications developed will focus on extracting objects from a problem domain and designing solutions based on passing messages between objects. Implementation will be done in a current object-oriented language. Prerequisite: COP 1000 or higher level computer programming course.

COP3338   Advanced Object Oriented Programming

Fall, Spring   3.00 Credits - 3.00 Hours

This course includes advanced programming topics such as multithreading, libraries, exception handling, GUI, networks, memory allocation, database connection and cross-platform development issues. Prerequisite: COP 3330.

COP3703   Database Design/Architecture

Fall, Spring   3.00 Credits - 3.00 Hours

This course is an in-depth study of database management systems. The course focuses on the relational database which is the most common model used by businesses. Key topics include an overview of database systems, database design, the relational model, physical design, indexing, transaction management, concurrency management, recovery and tuning. In addition, some non-relational topics will be addressed such as data warehousing, decision support and data mining databases. Prerequisite: CGS 2545C.

COP4655   Application Development for

Mobile Devices

Spring   **3.00 Credits - 3.00 Hours**

Students will study the most widely used mobile development environments used by businesses. A hands-on environment will be provided by implementing a common solution using multiple development environments and multiple devices. Prerequisite: COP 2805 or COP 3330.

COP4813   Web Applications Programming

Spring, Summer   3.00 Credits - 3.00 Hours

This course covers the development of distributed multi-tier, web-based applications using the modern programming language(s). The use of a current programming platform will be integral to this process. Key topics include web apps, data validation, static vs dynamic pages, programming models, state, and other relevant topics. Prerequisite: COP 2805 or COP 3330.

COT3103   Discrete Computational Analysis

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course applies basic mathematical logic skills and foundations used in computer science and information systems technology. It is designed for students in a major of IT or IST and includes logic rules, tautologies, Boolean algebra, set theory, mathematical induction and other topics of discrete computational analysis. Prerequisite: MAC 1105 or higher level mathematics course.

CPO1421   Politics, Society, and Islam

Fall, Spring   3.00 Credits - 3.00 Hours

This course examines the political dimensions of Islam within a regional and global context.

The course will analyze the foundation of Islamic thought in society, the nature of the relationship between religious and political establishments, the roots of instability and conflict in the Middle East, and the problems generated by the conceptualization of the West vs. the "rest."

**CPO2002   Introduction to Comparative
Politics**

Spring   3.00 Credits - 3.00 Hours

This course is a comparative survey of political structures, processes and institutions around the world, including western and non-western cultures, developed and underdeveloped countries, democratic and non-democratic governments, unitary and federal systems. Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Government and Politics: Comparative. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

**CPO2002H Honors Introduction to
Comparative Politics**

Fall, Spring   3.00 Credits - 3.00 Hours

This course is a comparative survey of political structures, processes and institutions around the world, including western and non-western cultures, developed and underdeveloped countries, democratic and non-democratic governments, unitary and federal systems. Credit for this course is awarded to entering students with appropriate scores on the Advanced Placement (AP) examination in Government and Politics: Comparative. Prerequisites: Acceptance into Honors program and ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

CPO2930   Selected Studies in Comparative

Politics

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed for those students studying specialized topics in the area of comparative politics.

CPO2931   Selected Studies in Comparative Politics

**Fall, Spring,   2.00 Credits - 2.00
Summer   Hours**

This course is designed for those students studying specialized topics in the area of comparative politics.

CPO2932   Selected Studies in Comparative Politics

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course is designed for those students studying specialized topics in the area of comparative politics.

CRW2001   Creative Writing I

Fall, Spring   3.00 Credits - 3.00 Hours

This course provides students the opportunity for creative expression in the verbal arts. Although drama, fiction and poetry are studied and critiqued, students are free to concentrate in the genre of their choice and are encouraged to enter contests and to submit work for publication.

CRW2002   Creative Writing II

Fall, Spring   3.00 Credits - 3.00 Hours

This course is an expansion of CRW 2001, focusing on formal writing exercises with more frequent deadlines and critiques in a workshop atmosphere emphasizing individual instruction. This course may be taken four times for credit. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: ENC 1101 or ENC 1101H and CRW 2001.

CRW2930   Selected Studies in Creative Writing

Offered as Needed   3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction.

CTS1120   Introduction to Internetworking Security (Security+)

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course examines the principles, mechanisms and implementation of network security and data protection. The topics presented will help students gain the fundamentals of network security and explain what happens behind the scenes and from the point of view of a computer. Topics include definition and use of password crackers, operating system exploits, what is a Hacker, IP Spoofing, Session Hijacking, Denial of Service attacks (DOS), Buffer Overloads, general concepts of password security, how to create a company-wide security policy, how to perform security audits and how to recover from such attacks. Lab fee required. Prerequisite: CET 1179.

CTS1168C   Installing and Configuring Windows 10 (70-698 exam)

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course prepares the student to install and configure Windows 10 in single server and

enterprise environments. The student will learn to install and implement Windows 10, configure and support services, and manage and maintain the Windows 10 environment. Additionally, this course prepares students for the Microsoft Exam 70-698. Prerequisite: CET 1179.

CTS2142   Information Technology Project Management

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course will provide a comprehensive overview of the skills, knowledge and tools needed to effectively manage projects with special emphasis on the unique challenges of the computing and information technology industries. The course will cover all nine areas of A Guide to the Project Management Body of Knowledge (PMBOK Guide) established by the Project Management Institute as the industry standard for project management instruction.

CTS2145   Fundamentals of Cloud Networking and Security

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

In this course students will apply the skills required to evaluate and implement standard deployments. Students will implement, maintain and deliver cloud technologies including network, storage and virtualization technologies to create cloud solutions. Students solutions and ensure security of cloud implementations through the use of cybersecurity best practices. In addition, this course prepares students to pass the CompTIA Cloud+ exam and earn the corresponding certification. Prerequisite: CTS 1120 or CTS 2354C or CTS 2390C.

CTS2317   Advanced Security Certified Ethical

Hacker

Spring   **3.00 Credits - 3.00 Hours**

This course examines in great depth the principles, mechanisms and implementation of network security and data protection. Students learn to understand the topics Cipher Block Mode, Key Distribution methodology, Public Key Infrastructure, Kerberos, X.509 Directory Security, IP/Web/Email Security, SLS (Secured Sockets Layer), PGP (Pretty Good Privacy) and Network Security Management from both an internal and external security reference. Basic networking concepts and security principles required. Lab fee required. Prerequisite: CTS 1120.

CTS2353C Networking with Windows Server 2016 (Exam 70-741)

Fall, Spring, Summer   **4.00 Credits - 4.00 Hours**

This course addresses all of the concepts, terminology and technology covered through Networking with Microsoft Windows Server 2016 and it provides students with the opportunity to get hands-on practice with virtual labs for a complete learning experience. Through this course students can prepare for the 70-741: Networking with Windows Server 2016 exam. Prerequisite: CTS 2354C.

CTS2354C Installation, Storage, and Compute with Windows Server 2016 (Exam 70-740)

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course addresses all of the concepts, terminology and technology covered in the installation, storage and computing of Microsoft Windows Server 2016, and it provides students with the opportunity to get hands-on practice with virtual labs for a

complete learning experience. Through this course students can prepare for the 70-740: Installation, Storage, and Compute with Windows Server 2016 exam. Prerequisite: CET 1179.

CTS2358C Identity with Windows Server 2016 (Exam 70-742)

Fall, Spring, Summer   **4.00 Credits - 4.00 Hours**

This course addresses all of the concepts, terminology and technology covered through a deep investigation into the world of Active Directory and its associated technologies. Students will also learn a lot of PowerShell along the way, and it provides students with the opportunity to get hands-on practice with virtual labs for a complete learning experience. Through this course students can prepare for the 70-742: Identity with Windows Server 2016 exam. Prerequisite or corequisite: CTS 2353C.

CTS2370C Virtual Infrastructure: Installation and Configuration

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

In this course, students learn the concepts and capabilities of virtual architecture with a focus on the installation, configuration and management of a VMware virtual infrastructure. This course covers fundamentals of virtual network design and implementation, fundamentals of storage area networks, virtual switching, virtual management and engineering for high availability. Prerequisite: CTS 2354C or CTS 2390C or equivalent.

CTS2371C Virtual Infrastructure: Deployment, Security and Analysis

Fall, Spring, Summer   **4.00 Credits - 4.00 Hours**

This course focuses on the deployment, security and analysis of the VMware virtual infrastructure, including scripted installations, advanced virtual switching for security, server monitoring for health and resource management, high availability management, system backups and fault analysis. Prerequisite: CTS 2370C or equivalent.

CTS2372C Virtualized Server Implementation I

Fall, Spring, Summer   **4.00 Credits - 4.00 Hours**

In this course, students learn the deployment, planning and analysis of the Citrix server, including the designing of terminal services and application planning. Prerequisite: CTS 2345C or CTS 2390C or equivalent.

CTS2390C Installing and Configuring Windows Server 2012

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is the first of three courses designed to build the knowledge and skills necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment. The course covers implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. Prerequisite: CET 1179.

CTS2391C Administering Windows Server 2012

Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is the second of three courses designed to build the knowledge and skills

necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment. The course covers implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. Prerequisite or corequisite: CTS 2390C.

CTS2392C   Configuring Advanced Windows Server 2012 Services

Fall, Summer   3.00 Credits - 3.00 Hours

This course is the final of three courses designed to build the knowledge and skills necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment. The course covers implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. Prerequisite: CTS 2390C.

CTS2395C   Designing and Implementing an Enterprise Server Infrastructure

Spring, Summer   4.00 Credits - 4.00 Hours

This course is the first of two courses designed to provide students with the knowledge and skills necessary to design, implement and maintain a Windows Server 2012 R2 Infrastructure in an enterprise-scaled, highly virtualized environment. The course provides guidance on developing the ability to plan, configure, manage and implement the Windows Server 2012 R2 services, such as server deployment, server virtualization and network access and infrastructure, identity and access, high availability and the server infrastructure. Prerequisite: CTS 2392C.

CTS2396C   Implementing an Advanced Enterprise Server Infrastructure

Spring, Summer   4.00 Credits - 4.00 Hours

This course is the second of two courses designed to enable students to design, implement and maintain a Windows Server 2012 R2 infrastructure in an enterprise-scaled, highly virtualized environment. Students will learn to plan, configure, manage and implement the Windows Server 2012 R2 services, such as server deployment, server virtualization and network access and infrastructure, identity and access, high availability and the server infrastructure. Prerequisite: CTS 2392C.

CTS2411C   Information Storage Management

Fall, Spring,   4.00 Credits - 4.00
Summer   Hours

In this course students learn how to manage advanced storage systems, protocols and architecture including Storage Area Networks (SAN), Network-Attached Storage (NAS), Fiber Channel Networks, Internet Protocol SANs (IPSAN), ISCI and Content-Addressable Storage (CAS). Prerequisite: CTS 2354C or CTS 2390C or equivalent.

CTS2434C Microsoft SQL Implementation

Offered as Needed   4.00 Credits - 4.00 Hours

The goal of this course is to provide students with the knowledge and skills required to implement a database solution with a Microsoft SQL Server client/server database management system. Students will also gain a deeper understanding of the architecture of Microsoft SQL Server. Knowledge of the Windows 9X interface, Windows NT, DOS and hardware is required. Lab fee required. Prerequisite: CET 1179.

CTS2445   Oracle Structured Query Language (SQL)

Fall, Spring,   3.00 Credits - 3.00

Summer   **Hours**

This class covers the industry standard Structured Query Language (SQL) and additional SQL features specific to Oracle relational databases. Students learn to create and maintain database objects and to store, retrieve and manipulate data. Classroom lecture and hands-on lab assignments reinforce the fundamental concepts. This course prepares students for the Oracle Application Developer and Database Administrator exams. Lab fee required. Prerequisite: CGS 2545C or department permission.

CTS2937C Selected Studies in Information Technology

Offered as Needed   4.00 Credits - 4.00 Hours

In this course, topics of current interest are presented in group instruction.

DAA1100C Contemporary/Modern Dance I

Fall   2.00 Credits - 3.00 Hours

In this course, students will learn basic exercises and combinations which promote understanding of dance theory and techniques. Improvisational exercises will also be incorporated to develop a sense of individual accomplishment and skill.

DAA1101C Contemporary/Modern Dance II

Fall, Spring   2.00 Credits - 3.00 Hours

This course continues with exercises and combinations which promote understanding of dance theory and techniques that began in DAA 1100C, exploring them at the intermediate level. Improvisational exercises will continue to be incorporated to develop a sense of individual accomplishment and skill. Prerequisite: DAA 1100C.

DAA1200   Ballet I

Fall   2.00 Credits - 3.00 Hours

Ballet I introduces students to the basic skills and terminology of ballet. This course is designed to develop individual body awareness, strength, flexibility and an appreciation for the art of ballet.

DAA1201   Ballet II

Spring   2.00 Credits - 3.00 Hours

This course is designed to reinforce and build upon basic ballet techniques. There is an emphasis on body alignment and effective methods for gaining strength and flexibility necessary for proper ballet deportment. It includes the barre, the center floor and the basic elements of the classical ballet vocabulary. The history of ballet will also be included in this course. Prerequisite: DAA 1200.

DAA2932   Selected Studies in Dance

Fall, Spring   2.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit.

DEP2004   Developmental Psychology

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course explores the effects of genetic, psychological, maturational and social factors at various stages during the lifespan. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Some sections of DEP 2004 have service-learning components. Please refer to class notes in schedule of classes for details. Prerequisite: PSY 2012 with a grade of "C" or higher.

DIG1105C   Social Media Tools

Fall   **3.00 Credits - 3.00 Hours**

This course is designed to explore the current technologies associated with Web 2.0 and social media. Topics to be covered include social networking etiquette, Real Simple Syndication (RSS), tagging, Consumer-Generated Content (CGC), blogs, wikis and podcasting. Student knowledge in the historical perspectives, prevailing definitions and industry-wide applications of Web 2.0 and social media tools will be extended. Lab fee required.

DIG2000   Introduction to Digital Media

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course explores the avenues of contemporary digital design, highlighting the importance of process, innovation and communication. Students will become familiar with design projects ranging from traditional print, sophisticated websites, interactive digital media and motion graphics. The course will focus on developing and refining the design concept and the execution strategy. Lab fee required.

DIG2030C   Digital Video Fundamentals

Spring   **3.00 Credits - 3.00 Hours**

This course is an introduction to the concepts, principles, tools and techniques of producing, assembling and mixing digital video and audio. Students will understand story, creativity, planning and organizational skills as a part of the production process. Lab fee required.

DIG2109C   Design Fundamentals

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is an introduction to the concepts and principles of digital imaging and the tools and techniques of image capture, creation, manipulation and integration of still images. Students will understand composition, layout, color theory, image capture and output using industry-standard software. Lab fee required. Prerequisite: DIG 2000 or GRA 2201.

DIG2251   Audio Production I

Fall   **3.00 Credits - 3.00 Hours**

This course provides a broad introduction to sound design principles as applied to moving pictures and interactive systems. Creative use of sound is explored through an introduction to field recording and the use of digital audio workstations. Students use original sound recordings from other departments as well as those sampled from an extensive sound library in order to create sound pieces both with and without images. Lab fee required. Prerequisite: DIG 2000.

DIG2302C   3D Modeling and Animation I

Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to teach beginning level 3D animation for digital media. Emphasis will be placed on viewing the world in three dimensions as opposed to a single flat plane and training the eye to see shape instead of line. It will allow students to comprehend fully visual concepts such as light and shadow, foreshortening, color recognition and modeling techniques. Other topics include NURBS vs. polygons, texturing, lighting, rendering and keyframe animation. Lab fee required. Prerequisite: DIG 2000 or GRA 2151C or GRA 2201.

DIG2303   Character Development

Fall   **3.00 Credits - 3.00 Hours**

This course gives the student an in-depth look at character design, development, rigging and animation. Character creation will include segmented and solid model mesh of bipeds and quadrupeds. Students will examine techniques used to create facial expressions and lip sync using phonemes. Lab fee required. Prerequisite: DIG 2000 or GRA 2151 or GRA 2201.

DIG2304   Game Environments

Spring   3.00 Credits - 3.00 Hours

This course is designed to teach an intermediate level of three-dimensional animation for digital media. Emphasis is placed on building 3D world space that tells a story. It will allow students to build upon concepts such as environments, physical motion and modeling techniques, rendering and post-production. Lab fee required. Prerequisite: DIG 2000 or GRA 2151 or GRA 2201.

DIG2341   Motion Graphics I

Summer   3.00 Credits - 3.00 Hours

This course focuses on digital post-production used for film, animation, video, digital media and the Web. This course identifies production methods, compositing and sophisticated motion control for high-quality, two-dimensional animation. Focus is placed on digital media components, video tape and screen outputs for special and specialty projects while exploring foundations for computer-aided digital production. The topic of work flow issues and the variety of design and production vehicles will be addressed. Lab fee required. Prerequisites: DIG 2000 and GRA 2201.

DIG2351   2D Animation

Spring, Summer   3.00 Credits - 3.00 Hours

This course includes 2D tools for compositing, animation, and effects that digital media professionals, web designers, and video professionals use. Fundamentals in the design of composited layers are combined with sophisticated visuals and audio effects for animations. Students are also introduced to the use of digital assets created in object-oriented and digital imaging software. Prerequisite: DIG 2000.

DIG2500C Fundamentals of Interactive Design

Fall, Spring   3.00 Credits - 3.00 Hours

This course covers the foundations of interactive media including user-interface design concept, optimization/performance issues, resources and tools. Students combine audio, video, imaging, animation and other media formats to construct an interactive product using industry-standard software. Lab fee required. Prerequisite: DIG 2000.

DIG2581   Portfolio Design

Fall, Spring   4.00 Credits - 4.00 Hours

This course prepares students for professional situations through the creation of individual demo reels, resumes, websites and portfolios by emphasizing business structure. Topics such as studio hierarchy, production bidding, media distribution and professional growth will be included to highlight many of the important aspects of business in order for students to attain and sustain a professional career. Lab fee required. Prerequisite: Students must have completed a combined total of 30 or more college credits in any DIG and GRA prefix courses.

DIG2930   Selected Studies in Digital Media

Offered as Needed   3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction.

DIG2941   Internship in Digital Media

Offered as Needed   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

DIG2942   Internship in Digital Media

Offered as Needed   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12

college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

DIG2949   Internship in Digital Media

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

DSC1002   Introduction to Terrorism

Spring   3.00 Credits - 3.00 Hours

This course is an in-depth historical look at terrorism and its origins, types and history that will provide the student with the knowledge necessary to understand the background of yesterday and the evolution of terrorism today. Religions and nations are covered in the investigation of terrorism, its many different factions and their

relationships. Discussions will explore the kinds of efforts being expanded around the world to find ways to deter or discover terrorism and find other ways to deal with it. Students will examine what the future of terrorism might be in the 21st Century.

DSC1070   Introduction to School Safety

Fall, Spring   3.00 Credits - 6.00 Hours

This course provides an introduction to the subject of school safety and the security of the students, staff and school assets. Topics that will be covered include vulnerability of schools to risks, access control, the role of the school resource officer, the security of data retained and maintained by the school, event security, school violence, as well as the risk factors associated with student mental health and behavioral issues.

DSC2021   Homeland Security for Policing

Fall   3.00 Credits - 3.00 Hours

This course provides a framework for understanding the police role in homeland security. This course provides a broader understanding of how the concept of homeland security developed, what it means for the police, where within the scope of a national homeland security framework the police fit and how the police must have a broad, strategic focus for the adoption of homeland security to ensure goals and objectives are compatible. This course will present a more holistic understanding of policing for homeland security, what role the police will play in this new era and the strategic, operational and tactical considerations necessary to implement this new philosophy of policing.

**DSC2591   Introduction to Intelligence
            Analysis**

Fall, Spring   3.00 Credits - 3.00 Hours

This course introduces the student to the field of intelligence and the eligibility requirements to obtain a career in intelligence analysis at the governmental level. This course provides the student with an understanding of how intelligence systems function, how they fit within the policymaking systems of free societies, and how they are managed and controlled. The course will provide a theoretical overview of the intelligence field, including the psychology of intelligence, the main types of intelligence methods, the tools and techniques utilized by intelligence analysts, the differences between writing for research and writing for briefings, delivery and presentation techniques used to prepare intelligence briefings, basic data management strategies and tools, and various types of intelligence used throughout the public and private sectors.

**DSC3079   Foundations of Public Safety
            Management**

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course is presented as an overview of the primary aspects of public safety management. Major administrative, managerial and leadership components of public safety organizations will be examined. Also addressed will be administrative concerns for special issues and challenges, such as coordinated public safety approaches, post-September 11, 2001 administrative world views, ethical foundations, critical thinking and analysis and innovative solutions for efficient public safety problems. The course will also provide the student with a framework for individual progress. This will include the beginning development of an individualized plan toward educational and career goals and preliminary planning to link continuous learning with the capstone course at the end of the program. Prerequisite or corequisite: DSC

3600.

DSC3600   Research Methods in Public Safety

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is presented as a primer for skill development in research, data collection and formal research paper drafting on pertinent topics in the field of public safety. An analysis of social research methods with the coverage of statistical analysis to help students develop the applied research skills needed for future careers in public and private organizations will be included. This course is required to be taking in the first term of the Bachelor of Science in Public Safety Administration to gain skills in the completion of the program requirements.

DSC4008   Public Safety Policy and the Law

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course will include an overview of homeland security laws and regulations, public safety requirements and policies, privacy rights in the context of security concerns, human resource issues, organizational structure and management priorities. Students will explore the Federal Emergency Management Agency's (FEMA) role in policy, law and management of manmade disasters. Local and regional perspectives pertinent to criminal justice agencies will be examined. Prerequisite or corequisite: DSC 3600.

DSC4215   Emergency Planning and Security Measures

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course studies the process and

implementation of comprehensive emergency management plans for incident management and security measures, including the continuity of operations for all levels of government and all sectors of the community. Incorporated in the course content will be a study of empirical vs. theoretical approaches, human behavior in disaster situations and the myths vs. the realities in emergency planning. An examination of group disaster behavior will be completed as well as students will have an understanding of community, cultures and varied social systems in relation to disaster planning. Prerequisite or corequisite: DSC 3600.

DSC4554   Critical Infrastructure Protection

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course introduces students to the Critical Infrastructure Protection (CIP) process to secure effective protection of people, physical entities and cyber-based systems. This course guides leaders in the systematic protection of critical infrastructures. Topics include decision sequences, time-efficient and resource-restrained practices that ensure protection continuity of operations, as well as mission success. Included will be an investigation of the importance of risk analysis and an introduction to the procedures for community hazard assessments. Topics related to the design of proper detection and deterrence procedures and equipment will be covered. Particular emphasis will be placed on governing doctrine such as the Federal Emergency Management Agency (FEMA), National Response Framework (NRF), National Incident Management System (NIMS) and the National Preparedness Guidelines. Prerequisite or corequisite: DSC 3600.

DSC4940   Capstone Experience in Public Safety Administration

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course focuses on the integration of knowledge, skills and abilities learned in the program through a capstone project. This course should be taken during the last semester of the program. The course will involve the student proposing a plan for public safety managers to utilize when handling a catastrophic event occurring in a community. The student will define the scope of the event and utilize concepts of disaster response as defined in prior program coursework from a public safety perspective. The project will culminate with a video presentation of the plan. Prerequisite or corequisite: DSC 3600.

* EAP0300 EAP Low Intermediate Strategies for Academic Speaking and Listening

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course is designed for low intermediate students (non-native speakers of English) to develop the speaking and listening skills necessary for participating in classroom discussions with an emphasis on clarification through re-wording and asking questions. Additionally, an introduction to oral presentation and critical listening skills is provided.

* EAP0320 EAP Low Intermediate Reading

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course is a low intermediate reading class for non-native speakers of English. Emphasis is placed on developing academic reading strategies with a focus on vocabulary recognition skills and identifying topic and main ideas in academic passages. Prerequisites or corequisites: EAP 0300 with grade of "C" or higher if taken as a prerequisite AND demonstrate required level of proficiency.

* EAP0380 Combined Skills - Reading, Listening and Speaking

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course is an introduction to college-level reading, speaking and listening skills for the non-native speaker of English. The class will focus on academic reading, speaking and listening strategies specific to the EAP students' needs. Development of critical reading skills, vocabulary recognition and comprehension of academic passages are main areas of reading focus. Students develop the speaking and listening skills necessary for participation in class discussions. The course includes an introduction to oral presentation and critical listening skills. In addition, speaking, listening and note-taking skills will be developed so that students will be prepared to record lecture information, participate in class discussions and prepare and deliver oral presentations. In order to pass, students must earn a "C" or higher in coursework.

* EAP0385 EAP Low Intermediate Grammar/ Writing

Fall, Spring, Summer	6.00 Credits - 6.00 Hours

This course is a low intermediate grammar and writing class for non-native speakers of English. Emphasis is placed on increased structure accuracy, development of vocabulary and application of logical thought processes in writing simple and compound sentences as well as short paragraphs. Prerequisites or corequisites: EAP 0300 with grade of "C" or higher if taken as a prerequisite AND demonstrate required level of proficiency.

* EAP0400 EAP Intermediate Strategies for Academic Speaking and Listening

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed for intermediate students (non-native speakers of English) to continue to develop the speaking and listening skills necessary for participating in a classroom discussion. The course includes further development in oral presentation and critical listening skills. Prerequisite: EAP 0300 with a minimum grade of "C" or higher or demonstrate required level of proficiency.

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* EAP0420 EAP Intermediate Reading

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is an intermediate college reading class for non-native speakers of English. Emphasis is placed on recognizing a variety of textual clues (sentence connectors and transitions) to understand the meaning and organization of a text and unfamiliar vocabulary and on developing critical reading skills. Prerequisite: Demonstrate required level of proficiency or EAP 0320 with a grade of "C" or higher. Corequisite: EAP 0400 unless previously taken.

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* EAP0485 EAP Intermediate Grammar/ Writing

Fall, Spring, Summer   **6.00 Credits - 6.00 Hours**

This course is an intermediate grammar/ writing class for non-native speakers of English. Emphasis is placed on the continued development of college-level vocabulary, application of linear logic used in English language writing and development of ideas in simple, compound and complex sentences and academic paragraphs. Prerequisite: EAP 0385

with a grade of "C" or higher or demonstrate required level of proficiency. Corequisite: EAP 0400 unless previously taken.

EAP1500 EAP High Intermediate/Advanced Strategies for Academic Listening

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to provide further development of communication skills necessary for full participation in mainstream college classrooms including comprehension of extensive discourse with a focus on lecture note-taking in preparation for general education course work to high intermediate/ advanced students (non-native speakers of English). Prerequisite: EAP 0400 with grade of "C" or higher or equivalent proficiency level.

EAP1520 EAP High Intermediate Reading

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is a high intermediate college reading class for non-native speakers of English. Emphasis is placed on developing advanced reading skills to locate the main idea and supporting details, distinguish between fact and opinion, make inferences and identify an author's purpose, tone and point of view. Prerequisite: EAP 0420 with a grade of "C" or higher or equivalent proficiency level. Corequisite: EAP 1500 unless previously taken.

EAP1540 EAP High Intermediate Writing

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is a high intermediate writing class for non-native speakers of English. Emphasis is placed on writing well-developed academic paragraphs and structured essays using accurate language, appropriate word

choice and correct mechanics. Prerequisite: EAP 0485 with a grade of "C" or higher or demonstrated equivalent proficiency level. Corequisites: EAP 1500 and EAP 1560 unless previously taken.

EAP1560   EAP High Intermediate/Advanced Grammar

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is a high intermediate/advanced grammar class designed to prepare non-native speakers of English with the linguistic skills necessary to be successful in general education classes. Emphasis is placed on developing self-editing skills and accurately using a variety of structures to express meaning. Prerequisite: EAP 0485 with a minimum grade of "C" or higher or demonstrate required level of proficiency.

EAP1620   EAP Advanced Reading

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is an advanced college reading class for non-native speakers of English. Emphasis is placed on developing and practicing critical thinking skills, evaluating argument (bias) of a passage and drawing inferences and conclusions. Prerequisite: EAP 1520 with a grade of "C" or higher or equivalent proficiency level.

EAP1640   EAP Advanced Writing

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is an advanced writing class for non-native speakers of English. Emphasis is placed on writing college-level essays using a variety of language to develop sophisticated ideas while employing accurate structure,

appropriate word choice and correct mechanics. Prerequisite: EAP 1540 with a grade of "C" or higher or equivalent proficiency level. Corequisite: EAP 1560 unless taken previously or unless exempt.

ECO1000   Basic Economics

Fall, Spring   **3.00 Credits - 3.00 Hours**

The nature of economics, production, distribution and price determination will be explored. Emphasis will be placed on practical application and policy determination. Current problems will be surveyed. The course is designed for non-business majors. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

ECO2013   Principles of Economics (MACRO)

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This is an introductory course covering the nature, scope and methods of economics, economic concepts and economic institutions. Emphasis is placed upon production, consumption, determination of prices, distribution of income, fiscal policy, national income determinants, money and banking and comparative economic systems. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Social Science/ History requirement for AA degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with

grades of "C" or higher.

ECO2013H Honors Principles of Economics (MACRO)

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This is an introductory course covering the nature, scope and method of economics, economic concepts and institutions. Emphasis is placed upon production, consumption, determination of prices, distribution of income, fiscal policy, national income determinants, money and banking and comparative economic systems. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Social Science/History requirement for AA degree seeking students. Prerequisites: Acceptance into Honors program. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

ECO2023   Principles of Economics (MICRO)

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course deals primarily with economic problems. Emphasis is given to markets, production functions, economic role of government, agricultural problems, labor-management relations, imperfect competition, interest and capital, economic security, international trade and finance and economic development. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with

grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

ECO2023H Honors Principles of Economics (MICRO)

Fall	3.00 Credits - 3.00 Hours

This course deals primarily with economic problems. Emphasis is given to markets, production functions, economic role of government, agricultural problems, labor-management relations, imperfect competition, interest and capital, economic security, international trade and finance and economic development. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors program. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

ECO2930   Selected Studies in Economics

Offered as Needed	3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

ECP4530   Health Care Economics

Fall, Spring,	3.00 Credits - 3.00

Summer   **Hours**

This course examines the principles of economics as it relates to health systems and applies this information to current healthcare issues. Topics include healthcare markets, supply, demand and evaluation of the healthcare system. The role of government entities and health disparities will be explored. Healthcare production and cost as well as the healthcare workforce will be examined.

ECP4530H Honors Health Care Economics

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course examines the principles of economics as it relates to health systems and applies this information to current healthcare issues. Topics include healthcare markets, supply, demand and evaluation of the healthcare system. The role of government entities and health disparities will be explored. Healthcare production and cost as well as the healthcare workforce will be examined. Prerequisite: Acceptance into Honors program.

EDE2280 Arts and Wellness in Elementary Classrooms

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides the prospective teacher with the knowledge, skills and the dispositions to integrate arts and wellness into the elementary classroom curriculum.

EDE4936 Seminar in Elementary Education

Fall   **3.00 Credits - 3.00 Hours**

This course provides the teacher candidate with an opportunity to examine and explore issues related to the full-time internship in a kindergarten to sixth grade public school setting to demonstrate professional competencies. The seminar-style sessions promote collegial discussion of professional practices (instructional strategies, planning techniques, evaluation procedures, and classroom management skills) while providing a platform for support and encouragement during the transition from teacher candidate to educator. Emphasis is placed on the Florida Educator Accomplished Practices (feaps), professional education competencies (pecs), subject area competencies (sacs), reading competencies, ESOL competences. On-going assessment is conducted by the field coordinator and supervising teacher. To be eligible to enroll in EDE 4946, students must pass all three (3) components of the Florida Teacher Certification Exam. This is a companion course to EDE 4943. Department consent is required. Prerequisite: EDE 4941. Corequisite: EDE 4943.

EDE4941 Pre-Internship Field Experience I

Fall   **3.00 Credits - 3.00 Hours**

This course is designed to introduce the pre-service teacher to the climate and culture, expectations, activities, professional skills, and personal attributes of effective teachers in public schools. Students participate in a part-time clinical experience in a school-based classroom setting while completing co-requisite coursework at SSC. Students are observing teachers, working with students, and completing assignments/projects for their co-requisite courses. Weekly seminars/discussions are held to discuss, analyze, and evaluate the internship experiences. Emphasis is placed on Reading, ESOL, competencies of the FTCE certification examinations, and the FEAPs. Supervising teachers and SSC coordinators observe the intern and provide feedback on their performance. The course involves a minimum of 14 hours per week of directed and supervised field experience in an approved school setting. Must receive a passing score on the General Knowledge (GK)

Exam of the Florida Teacher Certification Exam (FTCE) for admission into Pre-Internship Field Experience I. This is a companion course to RED 4942 and TSL 4100. Department consent is required. Corequisites: RED 4942 and TSL 4100.

EDE4943   Student Teaching Internship II

Fall   9.00 Credits - 9.00 Hours

This course requires a teacher candidate to demonstrate pre-professional FEAP, Reading, and ESOL competencies during a 12 week (or 60 days), full-time internship, under the supervision of a certified classroom teaching, in a public school approved by the department and the school district. A minimum of 35 contact hours per week are required for 12 weeks (or 60 days). Supervising teachers and SSC field coordinators observe the intern and provide feedback on their performance. To be eligible to enroll in EDE 4943, students must pass all three (3) components of the Florida Teacher Certification Exam. This is a companion course to EDE 4946. Department consent is required. Prerequisite: EDE 4941. Corequisite: EDE 4936.

EDF2005   Introduction to the Teaching Profession

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This is a survey course that covers the historical, sociological and philosophical foundations of education, governance and finance of education, educational policies, legal, moral and ethical issues and the professionalism of teaching. Students will be provided information on the Florida Educator Accomplished Practices and Common Core State Standards. Students are required to complete a minimum of 15 hours of field-based experience with children and youth in schools or similar settings and not via virtual modes of film or Internet.

EDF2007   Introduction to Substitute Teaching

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course will introduce students to key social, ethical and legal factors associated with teaching in the PK-12 school environment.

EDF2050   Measurement and Evaluation in Education

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course examines the concepts and skills related to designing and developing classroom assessment instruments, analyzing tests and using the results to guide instructional decision-making and to improve student learning. Pre-service and in-service teachers will learn to interpret and use standardized test results.

EDF2051   Learning Theory and Assessment

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course examines a variety of learning theories and assessment principles and how they apply to teaching and learning. Topics will include educational psychology, human development, intelligence, learning theories, motivation, learners with exceptionalities, assessment and standardized testing. This course is designed for pre-service teachers and in-service teachers or individuals currently holding a temporary teaching certificate.

EDF2085   Introduction to Diversity for Educators

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

Designed for the prospective educator, this course provides the opportunity to explore issues of diversity, including an understanding of the influence of exceptionalities, culture, family, gender, sexual orientation, socioeconomic status, religion, language of origin, ethnicity and age upon the educational experience. Students will explore personal attitudes toward diversity and exceptionalities. Students will be provided information on the Florida Educator Accomplished Practices and Common Core State Standards. A minimum of 15 hours of field-based experience working with diverse populations of children and youth in schools or similar settings is required. The field experience will not be via virtual modes of film or Internet. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

EDF2130   Children and Adolescent Development for Educators

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course critically examines the developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings.

EDF2170   The Adult Learner

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course examines the unique nature of the adult learner in higher education. Emphasis will be placed upon theories of cognitive and social learning theories in adult learning. Models and processes for course design appropriate to the adult setting will be presented. Content includes selection and design of goals, objectives and outcomes, teaching and learning activities and assessment strategies to create courses that foster learning. An overview of established training principles and practices will be provided. Learning style theory will be applied in the adult setting as well as evaluation tools for determining the success of instruction to adults. To promote students' participation and interest, educators will learn to use games and competitions to motivate and engage students.

EDF2230   Foundations of Cooperative Learning

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides an opportunity for pre-service and veteran educators to explore the use of cooperative learning strategies. Cooperative learning is an instructional method in which students interact to accomplish a specific task or project. Students will be required to work together using a variety of learning experiences to increase their understanding of implementing basic principles of cooperative learning during direct instruction, practice and assessment.

EDF2250   Introduction to Classroom Management

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides pre-service and veteran educators with practical and research-based strategies to manage all students, including the culturally diverse and those with special needs as well as the classroom environment. This course also discusses other topics that may impact the learning environment, including classroom arrangement, procedures and the cooperation of parents, teachers and administration.

EDF2291   Instructional Strategies

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course examines the concepts and skills related to planning, organizing and implementing instructional strategies and ongoing assessments that are responsive to the needs of all learners. Topics covered in this course include planning techniques, differentiated instruction and assessment strategies, effective teaching strategies, formal and informal assessment practices, safe and equitable classroom management strategies, motivational concepts and techniques to accommodate the needs of a diverse student population (ELL, culturally diverse and students with disabilities).

EDF2720   Children in Schools: Legal, Ethical and Safety Concerns

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course will explore the role of education in children's lives through the analysis of legal, ethical and safety concerns. Prerequisite: ENC 1101 or a non-degree plan of TEACH.

EDF2930   Selected Studies in Education

Offered as Needed   **3.00 Credits - 3.00 Hours**

In this course, topics of current interest are presented in group instruction.

EDF2931   Selected Studies in Education

Offered as Needed   **1.00 Credit - 1.00 Hour**

In this course, topics of current interest are presented in group instruction.

EDF2935   Selected Studies in Education

Offered as Needed   **1.00 Credit - 1.00 Hour**

In this course, topics of current interest are presented in group instruction.

EDF4430   Measurement, Evaluation, and Assessment in Education

Fall   **3.00 Credits - 3.00 Hours**

This course involves the study of principles of traditional and alternative assessment strategies, which helps students obtain skills relevant to the development and use of classroom assessments to increase teaching and learning. Students develop a basic understanding of the principles of measurement, formative and summative assessment strategies, test construction, performance assessments, and reading and interpreting data from state achievement tests. This course helps students examine the content measured by state tests and how to use the data to improve student achievement.

EDG2301   Instructional Strategies and Classroom Management

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course examines instructional, organizational and classroom management strategies to create safe and effective learning environments, including the needs of diverse learners. Topics include planning techniques, differentiated instruction and assessment strategies, effective teaching strategies, formal and informal assessment strategies, safe and equitable classroom management strategies, time management and techniques to accommodate the needs of a diverse student population (ELLs, culturally diverse and students with disabilities). This course is designed for pre-service and in-service teachers or individuals currently holding a temporary teaching certificate.

EDG2940   Principles of Teaching Practicum

Spring   **3.00 Credits - 3.00 Hours**

This course is designed for students to apply their knowledge in real world education settings. The practicum is designed for students to work with a mentor teacher to provide daily supervision and provide students with the opportunities to integrate content and pedagogical knowledge. Students shall be assigned to a classroom teacher who has volunteered to be a mentor for the Academy program. These teachers may be at elementary, middle or high school. Students with a transportation option will be able to leave campus to act as a student teacher for their mentor teacher. The student will submit a completed portfolio by the end of the course for feedback. This is a dual enrollment course. No Academy student may be left alone with students. Academy students will sign up as a DIVIDEND for the SCPS school district. Prerequisite: Students must be enrolled in the Lyman Academy of Teaching and Learning.

EDG2949   Practicum in Education

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

Designed for the prospective educator, this course provides the opportunity to observe and document the roles and responsibilities of classroom teachers. Students will apply classroom theory to practical, real-world experiences. Students will be provided information on the Florida Educator Accomplished Practices and Florida Standards. Students are required to complete a minimum of 15 hours of field-based experience with diverse populations of children and youth in schools not via virtual modes of film or internet.

EDG3622   Foundations of Teaching

Fall	3.00 Credits - 3.00 Hours

This course examines instructional, organizational and classroom management strategies to create safe and effective learning environments, including the needs of diverse learners. Topics include planning techniques, differentiated instruction and assessment strategies, effective teaching strategies, formal and informal assessment strategies, safe and equitable classroom management strategies, time management and techniques to accommodate the needs of a diverse student population (ells, culturally diverse and students with disabilities). This course is designed for pre-service teachers. This course requires a field experience in a public-school setting. Times may vary.

EDP2002   Introduction to Educational Psychology

Summer	3.00 Credits - 3.00 Hours

This course is an introduction to the principles and theories of psychology as applied to the process of education. Topics of study include psychological perspectives of education, learning theory and critical evaluation of the psychology of education. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

EEC1000   Child Growth and Development

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course examines child development from conception to age eight by considering the complex interaction between heredity and environmental factors. Children's physical, social, emotional and cognitive development are discussed as well as the implications for developmentally appropriate practice. It includes the theories of Erikson, Piaget and Vygotsky. Students will be required to participate in field experience assignments in a child care setting for up to 10 hours.

EEC1006   Montessori Philosophy of

Education

Spring, Summer　　**3.00 Credits - 3.00 Hours**

Students will be introduced to the theory of the Montessori method, including evolution, relationship to Piaget, Erikson, Kohlberg, Vygotsky and others, Montessori's definition of sensitive periods of development, the role of teacher as directress, the importance of the prepared environment and the process of normalization will be discussed so that the student will gain an appreciation of the Montessori philosophy and method of teaching.

EEC1011　Professionalism in Early Childhood Education

Fall, Spring　　**3.00 Credits - 3.00 Hours**

This course provides students with the opportunity to observe children, to gain experience working with children and to discuss what they see and learn with someone qualified to interpret behavior and to expose students to current knowledge about child development. Students will gain more understanding of the Code of Ethical Conduct and demonstrate the use of this code through their writings and reflections. While in the course, the student will develop a teaching portfolio, participate in professional employment scenarios and be observed in a childcare or public-school setting for the Florida Staff Credential. Students must have departmental approval before registering. This is a capstone course intended for the student to take the final semester. The field experience is composed of 80 clock hours conducted in an early childhood setting. To comply with Florida State Law, Chapter 402.305 2 (a), each prospective student must be fingerprinted and undergo a FDLE Level II background screening. The cost of these procedures is the responsibility of the student. Information received is confidential and is required to determine the eligibility of the prospective

student to work with children. Department consent is required prior to registering for this course. Contact the Early Childhood Education Department for additional information about this requirement. Phone: 407 708-2673 or email: childdevelopment@seminolestate.edu. Prerequisites: EEC 1000 and EEC 2200 with minimum grades of "C" or higher. Corequisite: EEC 1603 or EEC 2732 with a grade of "C" or higher.

EEC1523　Child Care Management

Fall, Spring, Summer　　**3.00 Credits - 3.00 Hours**

This course will explore administrative issues relating to leadership in early childhood education, including management styles, staff development and supervision, teacher training, staff collegiality, retention and evaluation as well as collaboration with parents and community. This course meets the director credential requirements for the foundational level.

EEC1601　Observing and Recording Behavior

Fall　　**3.00 Credits - 3.00 Hours**

This course is designed for the early childhood professional to develop basic knowledge, skills and positive dispositions needed to work in partnership with families and other professionals in order to gather data that documents the developmental progression, individual needs and progress toward learning within the classroom. An understanding of goals, benefits of documentation and other effective assessment strategies will be discussed. Up to 10 hours of observation in a childcare or VPK center is required.

EEC1603　Child Guidance

Spring, Summer　　**3.00 Credits - 3.00 Hours**

This course provides child guidance and group management techniques to foster the development of self-esteem, self-control and social skills in young children. Positive reinforcement and problem resolution will be emphasized when discussing child play problems. Students will be required to participate in field experience assignments in an early childhood setting.

EEC1941   Early Childhood Practicum

Fall, Spring   3.00 Credits - 4.00 Hours

This course provides students with the opportunity to observe children, to gain experience working with children and to discuss what they see and learn with someone qualified to interpret behavior and to expose students to current knowledge about child development. This is a capstone course intended for the student to take the final semester. The field experience is composed of 40 clock hours conducted in an early childhood setting. To comply with Florida State Law, Chapter 402.305 2 (a), each prospective student must be fingerprinted and undergo a FDLE Level II background screening. The cost of these procedures is the responsibility of the student. Information received is confidential and is required to determine the eligibility of the prospective student to work with children. Department Consent is required prior to registering for this course. Contact the Early Childhood Education Department for additional information about this requirement. Phone: 407 708-2413 or email: childdevelopment@seminolestate.edu. Prerequisites: EEC 1000, EEC 1601, EEC 2200 and EEC 2732. Corequisites: ARE 2000, EEC 2702 and MUE 2010.

EEC2200   Educational Practices in Early Childhood Education

Fall, Spring   3.00 Credits - 3.00 Hours

This course will explore developmentally

appropriate practices for inclusive preschool settings. Participants will develop a framework for planning, implementation, organization and evaluation of activities in content areas such as art, math, science, music, language arts and play. The course will emphasize high-quality, developmentally appropriate practices aligned with state and national standards and guidelines. Students will be required to participate in field experience assignments in a child care setting for up to 10 hours.

EEC2202   Child Care and Education Programming

Summer   3.00 Credits - 3.00 Hours

This course is a choice of two courses required at the Florida Childcare Director's Credential advanced level. Topics include developmentally and culturally appropriate environment and curriculum professional standards, child observation, assessment, documentation and referral, health, safety and nutrition practices and alliances and families. This course may be taken for renewal of the Florida Director's Credential.

EEC2226   Introduction to the Principles of Math and Science for the Young Child

Fall   3.00 Credits - 3.00 Hours

This course introduces the teacher candidate to principles of math and science that are necessary for early childhood instruction. Students examine the content necessary to teach mathematical principles such as cardinality and counting, classification and sorting, balance, shapes, and numerical representations. An introduction to the process skills of science are included, enabling students to think scientifically in environmental science, life science and physical science areas. This course may be used as a renewal for Florida Staff Credential.

EEC2240   Social Studies and Creative Expression for Young Children

Summer   3.00 Credits - 3.00 Hours

This methods class provides students with the knowledge of developmentally appropriate social studies and creative expression concepts for children birth through eight and techniques for incorporating them throughout the curriculum. Topics include culture, time, people, places, individual and global, identify sense of community, dramatic play, music, art and creative movement. The course also includes assessment of development as well as designing appropriate accommodations to meet the needs of all children enrolled in the early childhood program.

EEC2262   Curriculum Activities in Early Childhood

Fall, Summer   3.00 Credits - 3.00 Hours

Upon completion of this course, students will understand how to guide and encourage learning by ensuring that the environment is rich with materials and equipment that invite active exploration. Various curriculum approaches will be reviewed with a concentration in creating lesson plans and activities that are appropriate for children under the age of eight years of age. Students will develop a framework for planning, implementation, organization and evaluation for activities in content areas such as art, math, science, music, language arts and active play. The course will emphasize intentionality in teaching using high-quality, developmentally appropriate practices aligned with state school readiness standards. Up to 10 hours of observation in a group care setting is required.

EEC2401   Families and Community

Fall, Spring   3.00 Credits - 3.00 Hours

In this course, guided readings, culturally diverse group activities and guest speakers from a variety of community resource agencies will broaden students' horizons regarding the diverse characteristics that make up a family. Students will explore how a child's development and learning is influenced by the family and the community where they live. The student will design and implement family involvement activities following research-based best practices. Community field experiences are integrated into the course (up to 10 hours).

EEC2521   Child Care and Educational Organization Leadership and Management

Fall   3.00 Credits - 3.00 Hours

This course is designed to provide current and future child care administrators the opportunity of satisfying one of the educational requirements for the Advanced Level Child Care and Education Administrator Credential as defined by the state of Florida. It is intended to present the needed skills and information in the following areas: organizational structure and dynamics, ethics and professionalism, leadership personnel policies and relationships and the evaluation and retention involved in staff development.

EEC2527   Childcare Education Financial and Legal Issues

Spring   3.00 Credits - 3.00 Hours

This three-credit course is designed to satisfy one of the educational requirements for the Advanced Level Child Care and the Educational Administrator Credential as defined by the state of Florida. The goal of this course is to develop and enhance skills in legal and financial planning and on-going monitoring,

budgeting and accounting, compensation and benefits, facilities and equipment, financial resources and marketing, technology and record-keeping, legal obligations, tax law, insurance and licensure, regulatory requirements and personnel law.

EEC2702   Infant Toddler Development

Fall, Spring   3.00 Credits - 3.00 Hours

This course will serve as a vehicle to deepen student knowledge of infant/toddler development by becoming familiar with play-based curriculum designed to provide caregivers with explicit ideas for creating loving, playful and stimulating experiences for young children from birth through age three. Students will be required to participate in field experience assignments in an infant toddler setting for up to 10 hours.

EEC2732   Health, Safety and Nutrition for Young Children

Fall, Spring,   3.00 Credits - 3.00 Summer   Hours

This course provides a comprehensive overview of the nutrition, health and safety needs of young children. It is designed to give future and current teachers practical and easy-to-understand information that will prepare them to serve diverse young children and their families in the preschool or early elementary school setting.

EEC2930   Selected Studies in Early Childhood Education

Offered as Needed   3.00 Credits - 3.00 Hours

This course will serve as a vehicle to either deepen student knowledge of subjects addressed in Early Childhood Education introductory courses or explore issues outside the traditional curriculum. May be repeated for

credit.

EEC2949   Cooperative Education Internship in Early Childhood Management

Fall, Spring,   3.00 Credits - 3.00 Summer   Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

* EER0001 Motor Control-CE

Fall, Spring   3.10 Credits - 6.00 Hours

This continuing education course is for advanced electrical personnel currently working in the profession. Topics covered in the course encompass motors, motor controls, transformers, I.O. modules, electric braking frequency drives, relays, logic devices and circuit boards.

*   Structured Cabling-CE EER0005C

Fall, Spring   3.10 Credits - 6.00 Hours

This continuing education course is designed for individuals currently working in the profession seeking advanced training. In this course, students will learn what structured cabling and CCTV systems are and how to install and troubleshoot these systems. The course integrates hands-on experience working with copper and coaxial media in a lab setting. Other topics presented in the course include industry standards and code and emerging trends in premises wiring. Lab fee required.

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* EER0006 Electrician Journeyman Exam Prep

Fall, Spring   2.00 Credits - 4.00 Hours

This course prepares the construction electrician (who has six years of documented field experience) for the journeyman electrician license exam. Topics covered include electrical theory, calculations required for branch circuits, feeders, motors, ranges, dryers and residential service sizing. In addition, box fill and conduit fill calculations will be covered. Extensive use of the 2011 NEC® 70 National Electrical Code will be covered as well. Entrance into this course must be approved by the Electrical/FEAT Coordinator.

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*   Residential Wiring A - HS Dual EER0434A Enrollment Pre-Apprenticeship

Offered as Needed 6.00 Credits - 180.00 Hours

This course covers residential wiring in accordance with the National Electrical Code - blueprints, box fill, circuit locations, conductors, switches, switch control and ground fault requirements. This pre-apprenticehip course is for Dual Enrollment students only.

EET1015C   Fundamentals of DC Circuits

Fall, Spring   3.00 Credits - 3.00 Hours

This is a fundamental course in DC electric circuits. This course prepares students for EET 1035C and subsequent courses. Classroom lectures supplemented with laboratory projects provide students with hands-on experience in the use of electronics test equipment and proper techniques for data measurements/interpretation, troubleshooting and orderly documentation of test results and conclusions.

EET1035C   Fundamentals of AC/DC Electricity

Fall, Spring   3.00 Credits - 3.00 Hours

This is an introductory course in basic electricity intended for the engineering technology programs. It consists of the concepts, laws and definitions encountered in AC and DC electric circuits. Prerequisites: MTB 1329 and EET 1015C.

EET2930C   Selected Studies in Engineering   Technology

Offered as Needed   3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. Lab fee required.

EET3085C   Electricity and Electronics

Fall   3.00 Credits - 3.00 Hours

This course for electrical and non-electrical students provides a background in electrical principles, circuits, components and applications. Advanced topics include the following: direct current and voltage, resistance, ohms law, power energy and efficiency, series parallel and associated networks, oscilloscopes, capacitors, inductors, time constraints, sinusoidal AC, effective average peak values, phasers, complex

numbers, series and parallel AC networks, AC theorems and maximum power transfer.

EEX2010   Introduction to Exceptional Learners (K-12)

Fall   3.00 Credits - 3.00 Hours

This course provides an overview of the characteristics and needs of exceptional learners in the K-12 classroom. Specific attention will be given to accommodating their needs in the regular classroom environment.

EEX2013   Inclusion and Special Needs in Early Childhood Education

Fall   3.00 Credits - 3.00 Hours

This course will focus on children with special needs in early childhood settings. Based on a developmental perspective, course content includes the various areas of exceptionality in terms of causes, characteristics and general intervention, strategies for adapting the learning environment, modifying instruction and making curriculum accessible to all children through inclusion of those with special needs. Attention will be given to state and federal legislation, the referral process, community resources and effective ways to work with families. Note: This course was formerly listed as EEX 2010 and is the required course for Early Childhood Education students. This course is not intended for students pursuing K-12.

EEX2020   Issues and Trends in Special Education

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course is designed to introduce students to the issues and trends in the field of special education and teaching students with disabilities. Topics include accommodations,

autism spectrum disorder, behavior and classroom management, classroom diversity, differentiated instruction, mental health, related services, secondary transition, effective instructional practices and Universal Design for Learning. This course is designed for pre-service and in-service teachers or individuals currently holding a temporary teaching certificate.

EEX2758   Enhancing Family Involvement in Education

**Fall, Spring,   2.00 Credits - 2.00
Summer   Hours**

This course is a study of the theory, research and best practices as they relate to the family-professional partnerships in both general and exceptional student education. Prerequisite: ENC 1101 or a non-degree plan of TEACH.

EEX3240   Academics for Exceptional Students

Fall   3.00 Credits - 3.00 Hours

This course focuses on the development of methods for teaching reading, language arts, social studies, science, and math at the k-12 levels for exceptional students. This course requires 15 hours of field experience in a K-12 public school setting. Prerequisite: EDG 3622.

EEX3261   Instructional Practices for Exceptional Students

Fall   3.00 Credits - 3.00 Hours

This course includes curriculum, methods, and materials required as part of the k-12 exceptional student education (ese) continuum of services. Topics include eligibility; assessment; individual education plans (iep's); universal design for learning (udl); high leverage practices (hlp's); differentiation; inclusive instructional models;

collaborative consultation; functional academic content; and transition planning for vocational career and living skills used in programs for individuals with mild, moderate, and severe disabilities. This course requires 15 hours of field experiences in a K-12 public school setting. Prerequisite: EDG 3622

EEX3940   Pre-Internship Field Experience I Exceptional Education

Fall   3.00 Credits - 3.00 Hours

This course is designed to introduce the pre-service teacher to the climate and culture, expectations, activities, professional skills, and personal attributes of effective teachers in public schools. Students participate in a part-time clinical experience in a school-based classroom setting while completing co-requisite coursework at SSC. Students are observing teachers, working with students, and completing assignments/projects for their co-requisite courses. Weekly seminars/ discussions are held to discuss, analyze, and evaluate the internship experiences. Emphasis is placed on Reading, ESOL, competencies of the FTCE certification examinations, and the FEAPs. Supervising teachers and SSC coordinators observe the intern and provide feedback on their performance. The course involves 4 to 6 hours per week of directed and supervised field experience in an approved school setting. Must receive a passing score on the General Knowledge (GK) Exam of the Florida Teacher Certification Exam (FTCE) for admission into Pre-Internship Field Experience. This is a companion course to RED 4942 and TSL 4100. Department consent is required. Corequisites: RED 4942 and TSL 4100.

EEX4070   Teaching Exceptional Students

Fall   3.00 Credits - 3.00 Hours

This course promotes the development and practice of effective teaching and management

strategies for elementary regular classroom teachers to promote academic and social integration and interaction of "mainstreamed" exceptional students. Topics include background knowledge related to special education issues including laws and regulations, terminology, disability categories, and common educational practices. Students are also challenged to learn the skills necessary to work collaboratively within an educational environment to include students with disabilities, while meeting their individual educational, behavioral, and social needs. Evidence-based instructional and behavior strategies will also be presented. Corequisite: EDG 3622.

EEX4220   Assessment in Exceptional Education

Fall   3.00 Credits - 3.00 Hours

This course focuses on the acquisition of knowledge and skills in assessing learners with exceptionalities. It provides a survey of formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. It will include development of individual education plans to align curriculum, instructional methods, and evaluation to meet the identified needs of students. This course requires 15 hours of field experience in an exceptional education K-12 classroom setting. Prerequisite: EDG 3622. Corequisite: EEX 3261.

EEX4601   Introduction to Behavior Management

Fall   3.00 Credits - 3.00 Hours

This course is designed to provide familiarization, observation, and application of effective behavior management principles for general and exceptional students in preschool through grade 12 educational settings. It will explore the historical

foundations for understanding behavior, implications for discipline, and measurement, charting, assessment, and strategies for modifying behavior. It will include practical application of these principles for working with students with linguistic, cultural, behavioral, and diverse learning characteristics.

EEX4753   Family and Community Involvement in Education

Fall   **3.00 Credits - 3.00 Hours**

This course familiarizes students with methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition.

EEX4930   Seminar in Exceptional Education

Fall   **3.00 Credits - 3.00 Hours**

This course provides the teacher candidate with an opportunity to examine and explore issues related to the full-time internship in an exceptional student education public school setting to demonstrate professional competencies. The seminar-style sessions promote collegial discussion of professional practices (instructional strategies, planning techniques, evaluation procedures, and classroom management skills) while providing a platform for support and encouragement during the transition from teacher candidate to educator. Emphasis is placed on the Florida Educator Accomplished Practices (feaps), professional education competencies (pecs), subject area competencies (sacs), reading competencies, ESOL competences. On-going assessment is conducted by the field coordinator and supervising teacher. To be eligible to enroll in EEX 4930, students must pass all three (3) components of the Florida Teacher Certification Exam. This is a companion course to EEX 4946. Department consent is required. Prerequisite: EEX 3940.

Corequisite: EEX 4946.

EEX4946   Student Teaching Internship II Exceptional Education

Fall   **9.00 Credits - 9.00 Hours**

This course requires a teacher candidate to demonstrate pre-professional FEAP, Reading, and ESOL competencies during a 12 week (or 60 days), full-time internship, under the supervision of a certified classroom teaching, in a public school approved by the department and the school district. A minimum of 35 contact hours per week are required for 12 weeks (or 60 days). Supervising teachers and SSC field coordinators observe the intern and provide feedback on their performance. To be eligible to enroll in EEX 4946, students must pass all three (3) components of the Florida Teacher Certification Exam. This is a companion course to EEX 4930. Department consent is required. Prerequisite: EEX 3940. Corequisite: EEX 4930.

EGN1007   Engineering Concepts and Methods

Fall, Spring, Summer 1.00 Credit - 2.00 Hours

This course is an introduction to computer software applications involving engineering spreadsheets (Excel) and symbolic processing (MATLAB) in order to solve a variety of engineering-related problems. Prerequisite: MAC 1105 or higher level mathematics course or MTB 1329.

EGN1111C   Engineering Graphics - Drawing

Fall, Spring,   **2.00 Credits - 3.00**
Summer   **Hours**

This course is an introduction to the techniques of drawing for three-dimensional spatial relationships, visualization, sketching and graphical presentation. Engineering

drawing, descriptive geometry and graphical solution techniques using both manual and computer methods will be emphasized. Lab fee required.

EGN2312   Engineering Analysis - Statics

Fall, Spring   3.00 Credits - 3.00 Hours

In this course, the fundamental concepts of building structures (structural mechanics) are introduced and studied. Prerequisites: MAC 2311 and PHY 2048C. Corequisite: MAC 2312.

EGN2322   Engineering Analysis Dynamics

Fall, Spring   3.00 Credits - 3.00 Hours

In this course, kinematics and kinetics of particles and rigid bodies, mass and acceleration, work and energy, impulse and momentum will be covered. Prerequisites: Minimum grade of "C" or higher in EGN 2312 and MAC 2313. Prerequisite or corequisite: MAP 2302.

EGN2440   Probability Statistics for Engineers

Fall, Spring   3.00 Credits - 3.00 Hours

This course focuses on axioms of probability, combinational and geometrical probability, probability distributions, measures of location and dispersion, sampling and sampling distributions, estimations and tests of hypotheses and engineering applications. Prerequisite: MAC 2312.

EGN2610   Engineering Economic Analysis

Fall, Spring   2.00 Credits - 2.00 Hours

This course focuses on the economic evaluation of engineering alternatives and design, time value of money and economic impact of taxes, risk and depreciation.

Prerequisite: MAC 2311 with a grade of "C" or higher.

EGS1006   Introduction to the Engineering Profession

Fall, Spring, Summer 1.00 Credit - 2.00 Hours

This course will introduce the student to the role of the engineer as a creative design professional. Emphasis will be on understanding the creative process and the factors that influence it. The student will participate in engineering orientation and make case studies of selected engineering fields.

EGS2930   Selected Studies in Engineering

Offered as Needed   3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. Lab fee required.

EGS2931   Selected Studies in Engineering

Offered as Needed   1.00 Credit - 2.00 Hours

In this course, topics of current interest are presented in group instruction. Lab fee required.

EGS2949   Internship in Engineering

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship education credits based on the completion of the required work experience and satisfactory

completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

EME2004   Introduction to Project Management

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides practical knowledge of project management as related to instructional design projects. Project management processes examined include all aspects required for the instructional design life cycle, including project initiation, planning, execution and closeout. Evaluation of project management knowledge and processes enables students to replicate the learning to their own real world course development.

EME2040   Introduction to Technology for Educators

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course covers the application of instructional design principles for the use of technology to enhance the quality of teaching and learning in the classroom. The course includes hands-on experience with educational media, emerging technologies and hardware, software and peripheral for the personal computer as well as data-driven decision-making processes. Identification of appropriate software for classroom applications, classroom procedures for

integrating technologies with emphasis on legal and ethical use and effective instructional strategies for teachers and students with regard to research, analysis and demonstration of technology will be covered. Students will be provided with an overview of the Florida Educator Accomplished Practices, Common Core State Standards and the National Educational Technology Standards.

EME2450   Introduction to Distance Education

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course examines instruction and how it is effectively delivered online. Students will explore technologies, processes and products of distance education with emphasis on eLearning. Students will learn practical applications of instructional theories related to virtual and online participatory learning environments. Planning and project management for developing online learning materials and facilitating online classes will be covered. Designed for K-12 and higher education instructors and administrators as well as trainers and instructional designers from other professional settings. The course focuses on the interpretation and application of theory, research and standards-based effective practice to the design, development, facilitation and evaluation of distance education experiences.

EME2470   Teaching and Learning in the Connected Age

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course covers the application of instructional principles for the effective use of social media tools to enhance the quality of teaching and learning online and in the classroom. This course focuses on best practices for informal learning in relation to

various social media forms and addresses how mass media has been used in learning settings to convey information and promote understanding and change. The course includes hands-on experience with social media tools, emerging trends and best practices for using social media in the educational environment. Identification of appropriate social media tools for classroom applications, classroom procedures for integrating technologies with emphasis on legal and ethical use and effective instructional strategies for teachers and students with regard to social media will be covered. Students will use a variety of social software and Web 2.0 applications.

EME2670   Introduction to Instructional Design

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course focuses on the application of instructional design principles to the development of instruction. Topics include contemporary issues and trends in instructional design, requirements for instruction, task and needs analysis, learning situations and instructional models, learner characteristics and assessing instructional outcomes. Students will plan and create online instructional materials using the instructional design process.

EME2905   Directed Studies in Educational Technology

Offered as Needed   1.00 Credit - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student and instructor will design a course of study (learning contract). Approval from the dean is required prior to registration. This course may be taken three times for credit.

EML1804   Introduction to Mechatronics

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

In this course, students will learn about the discrete microprocessor control of mechatronics dynamic systems using state-space representation, digital controllers and design for mechatronic applications. Students design, build, program and test a robot.

EMS0065   CPR for EMS Students

Fall, Spring, Summer .20 Credits - 6.00 Hours

This six-hour course is designed to provide the student with training in adult, child and infant Cardiopulmonary Resuscitation (CPR). Included in this course is training in the Automated External Defibrillator (AED) and various barrier devices. A practical evaluation is required for American Heart Association (AHA) certification. This course is required for all students applying for the EMT and Paramedic programs who are not currently certified in CPR.

EMS1119   Emergency Medical Technician

Fall, Spring, Summer   **7.00 Credits - 8.40 Hours**

This lecture course is designed to prepare the student for a career in the Emergency Medical Services (EMS) field as an Emergency Medical Technician in accordance with the Department of Transportation National EMT curriculum. The student will understand the role of an EMT within the EMS system. The course includes information on the EMS system, legal aspects of EMS, applied anatomy and physiology, communicable diseases, medical emergencies, trauma emergencies, communications, blood-borne pathogens and employability skills. Lab fee required.

EMS1119L   EMT Laboratory

Fall, Spring,   **3.00 Credits - 5.60**
Summer   **Hours**

This laboratory course is designed to prepare the student for a career in the Emergency Medical Services (EMS) field as an Emergency Medical Technician in accordance with the Department of Transportation National EMT curriculum. The student will be able to perform various EMT skills such as patient assessment, airway management, cardiac-arrest management, cervical immobilization, bandaging, extremity immobilization, stretcher handling, IV set-up and ECG monitor set-ups. Lab fee required.

EMS1335   Emergency Vehicle Operations

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to meet Florida state (Florida Statute 401.281, 316.003 (1) F.S.) and Florida Administrative Code 64J-1.013 requirements for safe emergency vehicle operations. This 16-hour class combines both didactic and practical (driver training) aspects of instruction in preparation for emergency vehicle operations.

EMS1431   EMT Clinical

Fall, Spring,   **2.00 Credits - 2.60**
Summer   **Hours**

This clinical practice course is designed to prepare the student for a career in the Emergency Medical Services (EMS) field as an Emergency Medical Technician in accordance with the Department of Transportation's National EMT curriculum and the State of Florida's Bureau of Emergency Medical Services. The student will perform various EMT skills in hospital and field settings. The student will attend 48 hours in an emergency department and 48 hours with a local fire department. All EMS students must submit to a National Criminal Background check. Students must not have been convicted of a crime as listed in the EMS student handbook available in the EMS department. Successful completion of EMS 1431, EMS 1119 and EMS 1119L with an overall grade of 80 percent (C) in each course will allow the student eligibility to complete the National Registry certification examination and the Florida EMT certification. EMS 1431 must be completed during the same term as EMS 1119 and EMS 1119L. Lab fee required.

EMS2603   Paramedic I

Fall, Spring   **4.00 Credits - 6.53 Hours**

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include roles and responsibilities, medical legal issues, well-being of the paramedic, illness and injury prevention, ethics, medical terminology review, patient assessment, airway management, venous access and medication administration, therapeutic communications, life span development, pathophysiology, management of shock and general pharmacology. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. This course may be repeated one time. Permission of EMS program manager is required. This course is offered in the Fall and Spring terms. Prerequisite: Emergency Medical Technician State certification (EMT). Prerequisite or corequisite: EMS 2666 with minimum grade of "C" if completed as a prerequisite. Corequisite: EMS 2603L.

EMS2603L Paramedic I Laboratory

Fall, Spring   4.00 Credits - 6.53 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include illness and injury prevention, medical terminology review, patient assessment, airway management, venous access and medication administration, therapeutic communications, management of shock and general pharmacology. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. This course may be repeated one time. Permission of EMS program manager is required. This course is offered in the Fall and Spring terms. Lab fee required. Prerequisite: Emergency Medical Technician State Certification (EMT). Corequisites: EMS 2603 and EMS 2666.

EMS2604   Paramedic II

Spring, Summer   4.00 Credits - 6.53 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include the following medical emergencies: cardiology, pulmonary, neurology, endocrinology, allergies, gastroenterology, renal, toxicology, hematology, environmental conditions, communicable diseases, gynecology, obstetrics and psychiatric emergencies. The following trauma emergencies include burns, spinal, thoracic, abdominal, musculoskeletal, head, facial, soft tissue, hemorrhage and shock. Course must be completed with a grade of "C" (80 percent grade average) or higher to

continue in the Paramedic program. This course may be repeated one time. Permission of EMS program manager is required. This course is offered in the Spring and Summer terms. Prerequisites: EMS 2603, EMS 2603L and EMS 2666 with grades of "C" or higher. Corequisites: EMS 2604L and EMS 2667.

EMS2604L Paramedic II Laboratory

Spring, Summer   4.00 Credits - 6.53 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. The laboratory will focus on cardiovascular, respiratory and traumatic emergencies, enabling students to practice the associated treatment modalities. Topics studied include the following treatment of medical emergencies: cardiology, pulmonary, neurology, endocrinology, allergies, gastroenterology, renal, toxicology, hematology, environmental conditions, communicable diseases, gynecology, obstetrics and psychiatric emergencies. The following trauma emergency treatments include burns, spinal, thoracic, abdominal, musculoskeletal, head, facial, soft tissue hemorrhage and shock. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. This course may be repeated one time. Permission of EMS program manager is required. This course is offered in the Spring and Summer terms. Lab fee required. Prerequisites: EMS 2603, EMS 2603L and EMS 2666 with grades of "C" or higher. Corequisites: EMS 2604 and EMS 2667.

EMS2605   Paramedic III

Fall, Summer   4.00 Credits - 6.53 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include the following: neonatology, pediatrics, geriatrics, abuse and assault, patients with special challenges, acute interventions for the chronic care patient, assessment based management, ambulance operations, medical incident command, rescue awareness and operations, hazardous materials incidents and crime scene awareness. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. This course may be repeated one time. Permission of EMS program manager is required. This course is offered in the Fall and Summer terms. Lab fee required. Prerequisites: EMS 2604, EMS 2604L and EMS 2667 with grades of "C" or higher. Corequisites: EMS 2605L, EMS 2659 and EMS 2668.

EMS2605L Paramedic III Laboratory

Fall, Summer **4.00 Credits - 6.53 Hours**

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include the following: emergency treatment techniques for neonatology, pediatrics, geriatrics, abuse and assault, patients with special challenges, acute interventions for the chronic care patient, assessment-based management, ambulance operations, medical incident command, rescue awareness and operations, hazardous materials incidents and crime scene awareness. Course must be completed with a grade of "C" (80 percent grade average) or

higher to continue in the Paramedic program. This course may be repeated one time. Permission of EMS program manager is required. This course is offered in the Fall and Summer terms. Lab fee required. Prerequisites: EMS 2604, EMS 2604L and EMS 2667 or corequisites EMS 2605, EMS 2659 and EMS 2668 with grades of "C" or higher.

EMS2659   Paramedic Capstone Experience

Fall, Summer **5.00 Credits - 10.20 Hours**

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course allows students to correlate all of the didactic background in the paramedic course with advanced patient care and offers the students opportunities to demonstrate competency in the skills learned in all of the Paramedic Laboratories. Students will be assigned to specific fire departments to complete 192 hours of field ride time. Students will perform various emergency medical modalities and procedures under the direct supervision of a paramedic preceptor. This course will focus on all treatment modalities as final preparation for the state certification examination and a career as a paramedic. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. All Paramedic students must submit to a National Criminal Background check prior to beginning any clinical rotations. Students must not have been convicted of a crime as listed in the EMS student handbook available in the EMS department. This course may be repeated one time. Permission of the EMS Program Manager is required to repeat the course. This course is offered in the Fall and Summer terms. This is one component (course) of a limited-access program. Prerequisites: EMS 2604, EMS 2604L and EMS 2667. Corequisites: EMS 2605, EMS 2605L and EMS 2668.

EMS2666 Paramedic I Clinical

Fall, Spring   4.00 Credits - 4.05 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. This course allows students to correlate didactic background with basic patient care and offers the student opportunities to demonstrate competency in the skills learned in the Paramedic I Laboratory. Students are assigned to specific agencies to perform various emergency medical modalities and procedures under the direct supervision of a paramedic, nurse or physician. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. All Paramedic students must submit to a National Criminal Background check prior to beginning any clinical rotations. Students must not have been convicted of a crime as listed in the EMS student handbook available in the EMS department. This course may be repeated one time. Permission of the EMS Program Manager is required to repeat the course. This course is offered in the Fall and Spring terms. This is one component (course) of a limited-access program. Lab fee required. Prerequisite: Must be Emergency Medical Technician State Certified as verified by the department. Corequisites: EMS 2603 and EMS 2603L.

EMS2667 Paramedic II Clinical

Spring, Summer   4.00 Credits - 3.79 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. This course allows students to correlate didactic background with basic patient care and offers the student opportunities to demonstrate competency in the skills learned in the Paramedic II Laboratory. Students are assigned to specific agencies to perform various emergency medical modalities and procedures under the direct supervision of a paramedic, nurse or physician. Course must be completed with a grade of "C" (80 percent grade average) or higher to continue in the Paramedic program. All Paramedic students must submit to a National Criminal Background check prior to beginning any clinical rotations. Students must not have been convicted of a crime as listed in the EMS student handbook available in the EMS department. This course may be repeated one time. Permission of the EMS Program Manager is required to repeat the course. This course is offered in the Spring and Summer terms. This is one component (course) of a limited-access program. Lab fee required. Prerequisites: EMS 2603, EMS 2603L and EMS 2666. Corequisites: EMS 2604 and EMS 2604L.

EMS2668 Paramedic III Clinical

Fall, Summer   2.00 Credits - 1.01 Hours

This course presents the objectives contained in the 2009 U.S. Department of Transportation National EMS Education Standards for Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. This course allows students to correlate didactic background with basic patient care and offers the student opportunities to demonstrate competency in the skills learned in the Paramedic II and III Laboratories. Students are assigned to specific agencies to perform various emergency medical modalities and procedures under the direct supervision of a paramedic, nurse or physician. Course must be completed with a grade of "C" (80 percent

grade average) or higher to continue in the Paramedic program. All Paramedic students must submit to a National Criminal Background check prior to beginning any clinical rotations. Students must not have been convicted of a crime as listed in the EMS student handbook available in the EMS department. This course may be repeated one time. Permission of the EMS Program Manager is required to repeat the course. This course is offered in the Summer and Fall terms. This is one component (course) of a limited-access program. Lab fee required. Prerequisites: EMS 2604, EMS 2604L and EMS 2667 with grades of "C" or higher. Corequisites: EMS 2605, EMS 2605L and EMS 2659.

EMS2931   Selected Studies In Emergency Medical Services

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course allows the student to obtain experience in a variety of settings in Emergency Medical Services with an emphasis on strong affective skills. Students may obtain experience by participating in one or more of the following experiences: mock disaster drill, simulations, volunteering at a hospital or nursing home, job shadowing with an EMS provider or any agreed upon project by the EMS Program Manager. This course may be completed twice with a grade of "C" or higher to meet the requirements of the Associate Degree in Emergency Medical Services.

EMS4111   Advanced Practiced Paramedicine

Summer   3.00 Credits - 3.00 Hours

This course provides the Community Paramedic with the opportunity to demonstrate cognitive, psychomotor and affective skills in a variety of clinical environments. Prerequisites: EMS 4112, EMS 4113 with a grade of "C" or higher.

EMS4112   Introduction to Community Paramedic

Fall   3.00 Credits - 3.00 Hours

This course provides the history and theoretical foundations of community paramedicine in North America. This course will examine the U.S. Healthcare system, communications, legal and ethical responsibilities.

EMS4113   Mobile Integrated Health Care

Spring   6.00 Credits - 6.00 Hours

This course develops cognitive and affective skills and knowledge of the community paramedic. Topics include community assessment, wellness and prevention, including outreach and community resources. Patient assessment, primary care of chronic disease as well as mental health assessments will be examined. Prerequisite: EMS 4112 with a grade of "C" or higher.

*   Developmental Writing I ENC0015C

Fall, Spring,   4.00 Credits - 4.00 Summer   Hours

This is a skills course in written standard American English usage. The focus of this course is to build writing skills and command of standard written English, including grammar, usage and mechanics. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: Placement test score mandates placement.

* ENC0017 Developmental Reading/Writing Combined

Fall, Spring,   4.00 Credits - 4.00 Summer   Hours

This four-credit-hour course emphasizes basic rhetorical principles needed for college-level reading and writing, particularly the development of critical reading skills, analytical skills and essay development. The major focus is on preparing students to be successful in college-level English and all courses requiring reading and writing skills. Due to the accelerated pace of this course, students are expected to spend extra time studying, doing homework and/or completing exercises in the Academic Success Center.

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* ENC0022 Developmental Writing

Fall, Spring, Summer   **4.00 Credits - 4.00 Hours**

The focus of this course is to build writing skills, support written arguments and demonstrate command of standard written English, including grammar, usage and mechanics. Credit is not applicable toward A.A. or A.S. degrees. This course may be repeated. Prerequisite: Sufficient score on placement test or ENC 0015C with a grade of "C" or higher or equivalent.

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*   **Developmental Writing II ENC0025C**

Fall, Spring, Summer   **4.00 Credits - 4.00 Hours**

The focus of this course is to build writing skills, support written arguments and demonstrate command of standard written English. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: ENC 0015C with a grade of "C" or higher.

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* ENC0055 Developmental Writing Module

Fall, Spring, Summer   **1.00 Credit - 1.00 Hour**

This course allows students to complete modularized assignments to work on specific writing deficiencies. Students selecting this option complete a writing skills assessment and, based on the assessment, complete modularized assignments to work on specific writing deficiencies. Prerequisite: Sufficient score on placement test or ENC 0015C with a grade of "C" or higher or equivalent.

ENC0055L English Studio

Fall, Spring, Summer   **1.00 Credit - 1.00 Hour**

ENC 0055L is a co-requisite studio course designed to bolster student success in the College's introductory composition course, ENC 1101. The studio model gives students extra support and practice to develop the writing and reading skills and confidence they need to succeed in other courses and programs. ENC 0055L is comprised of weekly workshops, short skill-based lectures, and readings that run concurrently with the content of ENC 1101 to help students navigate course requirements, develop critical thinking skills, and execute the increasingly complex reading and writing skills they will encounter in college. Prerequisite: Test scores that indicate ENC 1101 eligibility or completion of appropriate college developmental courses for ENC 1101 eligibility with grades of "C" or higher or completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher. Corequisite: ENC 1101

ENC1101   **English I**

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This is a course in the process of expository writing. Students will read essays and compose papers that are unified, organized, logically developed and supported, clearly stated and well-focused. Research techniques are introduced and incorporated into at least one composition. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Students must pass the core assignments with

a grade of "C" or higher. This course satisfies the General Education State Core Communications requirement for degree seeking students. Prerequisite: Test scores that indicate ENC 1101 eligibility or completion of appropriate college developmental courses for ENC 1101 eligibility with grades of "C" or higher or completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

ENC1101H   Honors English I

Fall   **3.00 Credits - 3.00 Hours**

This is a course in the process of expository writing. Students will read essays and compose papers that are unified, organized, logically developed and supported, clearly stated and well-focused. Research techniques are introduced and incorporated into at least one composition. Some assignments may be coordinated with other Honors courses. Students must pass the core assignments with a grade of "C" or higher. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Honors level content. Permission required from Honors coordinator. This course satisfies the General Education State Core Communications requirement for degree seeking students. Prerequisite: Acceptance into Honors program.

ENC1101L   English I Laboratory

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This laboratory course is designed to support students' English composition skills.

ENC1102   English II

Fall, Spring,   **3.00 Credits - 3.00**
Summer   **Hours**

In this course, students develop the ability to read literary texts critically, to think logically and creatively and to write and research effectively. Students must pass the core assignments with a grade of "C" or higher. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of "C" or higher.

ENC1102H   Honors English II

Spring   **3.00 Credits - 3.00 Hours**

This is a course designed to develop the student's ability to read literary and interdisciplinary texts critically, to think logically and creatively and to write and research effectively. Some assignments may be coordinated with other Honors courses. Students must pass the department's core assignments for ENC 1102H with a grade of "C" or higher. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Honors level content. Permission required from Honors coordinator. Prerequisites: ENC 1101 with a grade of "C" or higher and be an Honors program student.

ENC1210   Technical Writing

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is a study of and practice in various forms of technical writing such as complete formal reports, letters of application, resumes, articles or technical essays and oral presentations. Emphasis is on the grasp of scientific and technical ideas and effective verbal presentation of these ideas. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

ENC2160H Honors Nature Writing

Spring   **3.00 Credits - 3.00 Hours**

In this course, students will explore different approaches to writing about the natural world and discuss issues raised by such writing.

Prerequisites: ENC 1101 or ENC 1101H with a grade of "C" or higher and acceptance into the Honors program.

ENC2444   Dramaturgical Studies

Fall, Spring   3.00 Credits - 3.00 Hours

In this course, students will prepare essays for the programs of shows Seminole State College produces that discuss the historical nature of the show or explain the artistic choices made in the production; work on the development of outreach sources/teachable units for local schools to use in support of attending a show and eventually support the use of such resources; read new drama and analyze the how "produce-able" a show would be for Seminole State College's resources and write an analysis report of their findings. Prerequisite: ENC 1101.

ENC2444H Honors Dramaturgical Studies

Fall, Spring   3.00 Credits - 3.00 Hours

In this course, students will prepare essays for the programs of shows Seminole State College produces that discuss the historical nature of the show or explain the artistic choices made in the production; work on the development of outreach sources/teachable units for local schools to use in support of attending a show and eventually support the use of such resources; read new drama and analyze the how "produce-able" a show would be for Seminole State College's resources and write an analysis report of their findings. Prerequisites: Acceptance into Honors program and ENC 1101 or ENC 1101H.

ENC2931   Selected Studies in English

Spring   1.00 Credit - 1.00 Hour

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean is required prior to registration. This course must be completed with a grade of "C" or higher. This course partially satisfies the writing requirement of S.B.E. 6A-10.030 and may be used to partially satisfy the General Education Communications requirement.

ENC3213   Technical and Business Writing

Offered as Needed   3.00 Credits - 3.00 Hours

This course prepares students to write professionally in support of management objectives. Students will analyze real-world scenarios to determine how and why a document serves its purpose in the workplace, discover the role of document design and learn how to respond effectively to the needs of clients and colleagues. The assignments, geared to both general and specialist audiences, provide practice in such essential career skills as problem-solving, time management and oral presentations. Proofreading skills are stressed.

ENG2100   The Art of Film

Fall, Spring   3.00 Credits - 3.00 Hours

This course is designed to help students become more active, critical viewers of films and to be able to communicate that understanding in writing. Like written forms of literature, movies are texts that can be analyzed and interpreted. Students will view a number of films from different time periods, genres and artistic approaches. Lectures will concentrate on the narrative and stylistic elements used by film makers. This course partially satisfies the writing requirement of S.B.E. 6A-10.030 and the Humanities Area B General Education requirement. Prerequisite: ENC 1101 with a grade of "C" or higher.

ENG2103   World Cinema

Fall, Spring   3.00 Credits - 3.00 Hours

This is a survey course designed to introduce students to the cinematic arts of a particular national cinema and to encourage them to think globally. Emphasis will be given to internationally recognized filmmakers of foreign cinemas and their recent new directors. Students will watch and analyze numerous films. They will study the aesthetics of film language as well as the social and cultural conditions that produce the cinema. The course will encourage student understanding of the intellectual, spiritual and moral issues that unite people despite differences in time, place, language and culture. Specific film content may vary from term to term. This course partially satisfies the writing requirement of S.B.E. 6A-10.030 and the Humanities Area B General Education requirement. Prerequisite: ENC 1101 with a grade of "C" or higher.

ENG2930   Selected Studies in English

Offered as Needed   3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction.

ENL2012   British Literature I

Fall   3.00 Credits - 3.00 Hours

This course is a survey of the development of British literature from Anglo-Saxon times through the eighteenth century with attention to the historical background, the continuity of essential traditions and the characteristic temper of successive periods. Major emphasis is on the Old English, Middle English and Renaissance periods. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1102 with a grade of "C" or higher or permission of instructor or

dean.

ENL2022   British Literature II

Spring   3.00 Credits - 3.00 Hours

British Literature II emphasizes the relevance of Romanticism, Victorianism and the first half of the twentieth century to contemporary thought. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1102 with a grade of "C" or higher or permission of instructor or dean.

ENL2950   Travel Study in British Literature

Offered as Needed   3.00 Credits - 3.00 Hours

This is a travel/study course combining preparation on campus, foreign travel and study abroad in the discipline of British literature. Variable content depending on the program in which the student enrolls and the specific topics to be covered. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Students must be 18 years of age on or before departure. Permission of instructor or dean is required. Prerequisite or corequisite: ENC 1101.

ENT2172   Opportunity Analysis and Franchising

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course covers the analysis and evaluation of entrepreneurial opportunities and franchising. Upon successful completion of the course, the student will be able to assess the current economic, social and political climate for small businesses. In addition, the student will be able to explain how demographic, technological and social changes create opportunities for small business ventures. The student will be able to discuss the advantages and disadvantages of franchises and be able to

evaluate franchise opportunities. Prerequisite: GEB 1011.

ENT2931   Selected Studies in Entrepreneurship

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

In this course, topics of current interest are presented in group instruction.

ENT3183   Commercializing New Technologies

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course is focused on understanding business practices that are involved with intellectual properties or patentable technologies. These unique businesses frequently present characteristics and growth challenges significantly different from main stream non-technical businesses. A practical understanding of these distinctions is critical to technology commercialization. Prerequisites: BUL 3130 and ISM 3011C for Business Information Management students only. No prerequisites for Management and Organizational Leadership students.

ENT4113   Entrepreneurship: New Business Development

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course is intended for students interested in starting or growing a small business. Students will analyze atypical business scenarios and apply critical thinking and generally accepted business development principles to identify appropriate growth strategies. Prerequisites: FIN 3403, MAN 3025 and MAR 3023 for Business Information Management students only. No prerequisites for Management and Organizational

Leadership students.

EPI0001   Classroom Management Module 1A

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This module prepares participants to set up a classroom, establish policies and procedures, create lesson plans integrated with Sunshine State Standards, develop and administer various forms of assessment, establish and maintain best practices in parental and professional relationships and hone the craft of effective instruction. It will also focus on the ethical and legal obligations of the teaching profession. Participants will also build a developmental assessment and professional portfolio demonstrating mastery of competencies. Prerequisite: Students must be admitted into EDPREP program plan.

EPI0002   Instructional Strategies Module 1B

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This module prepares participants to set up a classroom, establish policies and procedures, create lesson plans integrated with the Sunshine State Standards, develop and administer various forms of assessment, establish and maintain best practices in parental and professional relationships and develop assessment and professional portfolios demonstrating mastery of competencies. Prerequisite: Students must be admitted into EDPREP program plan.

EPI0003   Instructional Strategies: Technology Module 1C

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This module introduces teachers to the

technologies available for classroom instruction and activities. Technologies covered include production, multimedia, communication and reference materials. The module will also address the legal and ethical issues associated with these technologies. This module is also a continuation of the course description in Modules 1A and 1B. Lab fee required. Prerequisite: Students must be admitted into EDPREP program plan.

EPI0004   Instructional Strategies: The Teaching and Learning Process Module 1D

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This module is designed to help teachers understand the teaching-learning process. This module is a continuation of the course description in Modules 1A, 1B and 1C. Prerequisite: Students must be admitted into EDPREP program plan.

EPI0005   Methods of Teaching English to Speakers of Other Languages (ESOL)

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course provides educators with the necessary skills to determine appropriate instructional methods and strategies for teaching English language learners. Educators will use their knowledge of current first and second languages acquisition to plan and deliver appropriate, effective instruction.

EPI0006   Testing and Evaluation of ESOL

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course prepares participants to appropriately evaluate instructional outcomes

while recognizing the effects of the English language learner's language proficiency and culture. Educators will be able to select and use formal/informal methods of assessment for the English language learner in order to make informed decisions about instruction.

EPI0008   Applied Linguistics

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course provides educators with the skills needed to acquire a deeper understanding of the structure of English from a modern day linguistic perspective. The course enables the educator to analyze the structure of English to contrast with the language(s) of the target population in a given class. Participants learn how to adapt classroom instructional practices to meet the linguistic needs of their English language learners. Analysis of the phonological, morphophonological, and syntactic features of English as a basis for linguistic application to problems of English language acquisition by non-native speakers.

EPI0009   Foundations of Language and Cognition

Fall   3.00 Credits - 3.00 Hours

This course teaches language structure, function and phonemic awareness, fluency, vocabulary and comprehension. The instruction is grounded in scientifically-based research. This course satisfies the requirements for Competency 1 of the State of Florida Reading Endorsement. Prerequisite: Students must be admitted into EDPREP or READENDORS program plan.

EPI0010   Foundations of Research Based Practices in Reading

Fall, Spring,   4.00 Credits - 4.00

Summer   **Hours**

This module provides substantive knowledge of language structure and function and cognition of phonemic awareness, phonics, fluency, vocabulary and comprehension. It provides knowledge of the integration of the reading components. Instruction in this module is grounded in scientifically-based reading research as a mechanism to inform instructional practice. Prerequisite: Students must be admitted into EDPREP or READENDORS program plan.

EPI0011   **Foundations of Assessment and Differentiation**

Fall   **4.00 Credits - 4.00 Hours**

This course teaches the role of assessments in guiding reading instruction and instructional decision-making for reading progress of struggling readers. Prerequisite: Students must be admitted into EDPREP or READENDORS program plan.

EPI0012   **Foundations of Differentiation**

Fall, Spring,   **3.00 Credits - 3.00**
Summer   **Hours**

This course provides a study of the varying strategies that are successful with students from differing instructional profiles, including students with disabilities and students from diverse populations. This professional development course meets the requirements for Competency 4, Foundations in Differentiation, of the Reading Endorsement Add-On Certification Program. This course must be taken simultaneously with Application of Differentiated Instruction (EPI 0013). Prerequisite: Students must be admitted into EDPREP or READENDORS program plan.

EPI0013   **Application of Differentiated**

Instruction

Fall, Spring,   **3.00 Credits - 3.00**
Summer   **Hours**

This course provides a study of the application of strategies for students from differing instructional profiles, including students with disabilities and students from diverse populations. This professional development course meets the requirements for Competency 5, Application of Differentiated Instruction, of the Reading Endorsement Add-on Certification Program. This course must be taken simultaneously with Foundations of Differentiation (EPI 0012). Prerequisite: Students must be admitted into EDPREP or READENDORS program plan. Corequisite: EPI 0012.

EPI0014   **Demonstration of Accomplishment**

Fall, Spring,   **3.00 Credits - 3.00**
Summer   **Hours**

This course applies skills and information regarding reading development to reading instruction. The course discusses strategies and assessments that provide evidence for increased student reading proficiency in struggling students, including students with disabilities and students from diverse populations. This professional development course meets the requirements for Competency 6, Demonstration of Accomplishment, of the Reading Endorsement Add-on Certification Program. Prerequisite: Students must be admitted into EDPREP or READENDORS program plan.

EPI0020   **The Teaching Profession: Professional Foundations**

Fall, Spring,   **2.00 Credits - 2.00**
Summer   **Hours**

This module provides the foundation for becoming a productive member of the teaching profession. The participant will gain an understanding of the organization and administration of the public school, the laws governing teachers, the code of ethics and the purpose of schools. This module develops a professional perspective and creates a sense of grounding in the profession of teaching. Prerequisite: Students must be admitted into EDPREP program plan.

EPI0021   ESOL Curriculum and Material Development

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course enables educators to select appropriate instructional materials to support the unique needs of English language learners. Educators will be able to determine which materials are effective for the English language learner based on his or her communicative skills.

EPI0030   Diversity in the Classroom: Module 4A

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This module provides the participant with an understanding of the variety of backgrounds and cultures that may be found in a typical classroom. Field experiences give a broader view of the social aspects of diversity and cause the participant to reevaluate personal beliefs and prejudices that may adversely affect the learning process. This module also introduces the participants to the issues, challenges and the opportunities of teaching students who reflect the diversity of the American population in terms of race, ethnicity, religion, culture, sexual orientation and gender. Topics emphasized include foundations of prejudice, elements of culture and the value of diversity. Prerequisite:

Students must be admitted into EDPREP program plan.

EPI0031   Cross-Cultural Communication and Understanding

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to increase awareness and sensitivity to diverse cultures by highlighting similarities and differences as they relate to language and communication. Participants will learn how to adapt classroom instructional practices to meet the needs of students with varying cultural backgrounds.

EPI0930   Selected Topics for Professional Development

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

In this course, topics of current interest are presented in group instruction.

EPI0931   Selected Topics for Professional Development

Fall, Spring, Summer   .50 Credits - .50 Hours

In this course, topics of current interest are presented in group instruction.

EPI0950   Teaching Methods Practicum

Fall, Spring, Summer   **5.00 Credits - 5.00 Hours**

This course provides the participant with methods of instruction, integrating theoretical knowledge with classroom experience, demonstrating effective teaching practices, reflective decision-making and competency in Educator Accomplished Practices.

ESC1000   Introduction to Earth Science

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course will introduce students to the Earth as a complex and dynamic system. Focus will be on the solid Earth, the oceans, the atmosphere and interactions among these subsystems. Students will learn of the Earth's origin and place within the solar system. This course satisfies the General Education State Core Science requirement for degree-seeking students.

ETC3270   Building Systems

Fall, Spring, Summer   **3.00 Credits - 4.00 Hours**

Students will learn advanced concepts for building systems associated with residential and commercial-type structures. Particular emphasis will be given to the H.V.A.C., mechanical, plumbing and electrical systems. Different types of systems in each discipline will be discussed. The student will be exposed to design processes and system selections for each building system used.

ETC4260C Site Development and Feasibility

Fall   **3.00 Credits - 3.00 Hours**

Principles and practices of residential and commercial land development processes will be discussed in this course. Students will learn zoning and land use requirements and/or restrictions. The course will expose the student to project development processes and the utilization criteria used. Financial requirements and responsibility of the project, feasibility studies, market analysis, site analysis and utilization, project programming and design will also be addressed in this course. Project cost estimates for infrastructure, common buildings, individual

specialty buildings and/or houses will be identified and evaluated. Prerequisites: ETD 1320C and SUR 2101C.

ETC4414C Applied Structural Design I

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is an introduction to structural analysis. Designs of concrete, timber and steel members will be covered as well as current code and specification requirements. Prerequisite: ETG 3533C.

ETD1320C Computer-Aided Design I

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

The purpose of this course is to help drafting students develop the knowledge, skills and attitudes required to work at an entry-level job in such positions as CAD technician trainee, CAD system operator or CAD technician. This course is designed for students who have already received in-depth training in one or more application areas. Lab fee required. Students must complete this course with a grade of "C" or higher. For NON-Interior Design students: Prerequisite/Corequisite: BCN 1270C or EGN 1111C.

ETD1340C Computer-Aided Design II

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

In this course, students will learn advanced two- and three-dimensional drafting techniques. Menu and program modification will be emphasized along with improved speed and accuracy. Lab fee required. Prerequisite: ETD 1320C or IND 2460C.

ETD2364C Introduction to SolidWorks

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is an introduction to the new designing techniques and capabilities of solid modeling using the SolidWorks software. Topics include the integration and application of parametric solid modeling drawing within SolidWorks. Lab fee required.

ETD2390   Revit I

Fall, Summer   **3.00 Credits - 3.00 Hours**

In this introductory course, students will learn the basic methodology of parametric systems using Revit software technology. The Revit platform for building information modeling is a complete design and documentation solution which supports all phases of design, production and schedule development for a given project and is a tool the architecture, engineering, and construction (AEC) industries utilize for multidisciplinary collaboration. This software allows students to work in various views of the parametric building model at the same time. Lab fee required. Prerequisite: ETD 1320C or IND 2460C.

ETD2391   Revit II

Spring   **3.00 Credits - 3.00 Hours**

This course is a continuation of learning how to draw and design in a three-dimensional computer model format using the latest Revit software. Advanced concepts in three-dimensional modeling are introduced and implemented in class projects. Lab fee required. Prerequisite: ETD 2390 or IND 2462.

ETD2905   Directed Studies in Design

Fall, Spring, Summer 1.00 Credit - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

ETD2930   Selected Studies in Engineering Technologies

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

In this course, topics of current interest are presented in group instruction. This is a project-based class. Project is selected by the student and approved by the instructor. Lab fee required. Prerequisites: EGS 1111C and ETD 1600C.

ETD2941   Cooperative Education Internship in Design and Engineering

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ETD2942 Cooperative Education Internship in Design and Engineering

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ETD2949 Cooperative Education Internship in Design and Engineering

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ETD3555 Applied Site and Survey Mapping

Summer   **3.00 Credits - 3.00 Hours**

This course presents site plan development, including contour revisions, grading, drainage, utilities and street and road layout. Pipe drawings, both flat and pictorial, utility and working drawings and extensive civil, three-dimensional applications will be included. Students will learn to plan, prepare and interpret engineering drawings. The student will learn the use of drafting equipment and computers to design and draft mechanical, architectural, civil, electrical, structural building systems and related areas. Prerequisites: ETD 1320C and SUR 2101C.

ETG2502 Statics

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course will prepare the student for the field of Engineering Technology and/or related sciences. The course will focus on specialized practical knowledge related to the mathematical, scientific or technical aspects of mathematics, science and engineering. Fundamental principles of statics, co-planar and non-co-planar force systems including concurrent and non-concurrent forces will be covered. Additional focus will be placed on both friction and non-friction systems. Stress and strain evaluations on columns, beams, trusses and foundation systems will also be addressed. Prerequisites: (MTB 1329 or MAC 1114 or higher level math) AND (PHY 1020 or higher level physics course).

ETG3533C Applied Engineering Strengths of Materials

Fall, Spring   3.00 Credits - 3.00 Hours

This course will continue to prepare the student for the field of engineering technology and/or a related science. The course will focus on specialized, practical knowledge related to more advanced mathematical, scientific or technical aspects of mathematics, science and engineering. Relationships between external forces and action of members of a structure will be covered. Topics include stress, shear, moment, deflections, column and beam connections and Mohr's Circle. Prerequisite: ETG 2502 or EGN 2312.

ETG4950   Senior Design Capstone

Fall, Spring   3.00 Credits - 3.00 Hours

In this course, the student will use everything previously learned in the program to plan a related engineering problem or project. The student will be responsible for planning the basic design, material selection, structural analysis and related calculations, etc. Project must be approved by faculty advisor. The student will produce a formal oral presentation. This course must be completed with a grade of "C" or higher. Prerequisite or corequisite: ETC 4414C (Specializations: Civil, Site and Surveying, Production and Design), or ETI 3442 (Specializations: Engineering & Project Mgmt, Sustainable Engineering) or ETS 3608 (Specialization: Mechatronics and Robotics).

ETI1110   Introduction to Quality

Fall   3.00 Credits - 3.00 Hours

This course defines the role of quality in an industrial environment. Topics include the use of quality management techniques and quality philosophies, process development, techniques used for evaluation, approaches used on continuous operations, methods used to control quality and the international organization for standardization (ISO) series of standards. The responsibility of quality assurance during the engineering, manufacturing and marketing of a product is also covered.

ETI1420C   Materials and Processes for Engineering Technology

Spring   3.00 Credits - 3.00 Hours

This course is an introduction to material characteristics and behavior. The student shall study the interrelationships of structure, property, performance and material selection. Use of engineering materials such as metals, ceramics, polymers, electronic materials and composites in engineering applications will be covered. The student shall be introduced to the concept of sustainable materials. Lab fee required.

ETI1701   Safety for Engineering Technologists

Fall   3.00 Credits - 3.00 Hours

This course covers the knowledge and skills needed to create and maintain a safe and productive work environment as defined by OSHA regulations that are applicable to engineering technology companies. Handling and disposal of hazardous materials will also be emphasized.

ETI1843C   Motors and Controls

Fall   3.00 Credits - 3.00 Hours

This course explores the theory and application of AC and DC motors. It covers how different types of motors operate and how electronic motor control systems are designed and can be used to improve efficiency in a wide

ranges of applications. Lab fee required. Prerequisites: MTB 1329 and EET 1015C.

ETI2930   Selected Studies in Fire Sprinkler Systems

| Fall, Spring, Summer | 3.00 Credits - 3.00 Hours |

In this course, topics of current interest are presented in group instruction. Lab fee required.

ETI2943   Practicum in Technical Industry

| Fall, Spring, Summer | 3.00 Credits - 3.00 Hours |

This is a planned work-based experience that provides students with an opportunity to fine-tune skill sets learned in course work and enhance workplace skills through supervised practical experiences related to their career objectives. The number of credit hours awarded will be determined by faculty as described in current articulation agreements. May be repeated for credit up to a maximum of 24 hours, but grade forgiveness cannot be applied.

ETI2949   Internship in Fire Sprinkler

| Fall, Spring, Summer | 3.00 Credits - 3.00 Hours |

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ETI3440   Project Management National Standards

| Fall, Spring, Summer | 3.00 Credits - 3.00 Hours |

This course provides a review of the project management standards, including American National Standards Institute (ANSI) and the Project Management Body of Knowledge (PMBOK) standards (and its ten project management knowledge areas and five project processes) and other applicable standards. The course will also introduce the concept of Earned Value Management (EVM). All federal projects in excess of $50M must be managed using certified EVM management systems.

ETI3442   Project Planning

| Fall, Spring | 3.00 Credits - 3.00 Hours |

This course provides an overview of the theory and practice of managing projects within various organizational structures. The fundamental building blocks of project management are addressed with special emphasis on the triple constraint and developing project plans. Students will learn to develop appropriate project scope, schedule, budget and integrated baselines essential for proper project analysis and management. These topics are taken one at a time through a series of applied problems and then exercised through case studies. Prerequisite: ETI 3440 or department permission.

ETI3630   Leading Project Teams

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

Managing the human elements of project management is as challenging as mastering the technical aspects. Innovative approaches are employed to successfully motivate, communicate, negotiate and resolve conflicts among the team members and stakeholders. In this course, students develop an understanding of the individual, the group and the project team. Proven techniques to make conflict a constructive rather than a destructive experience are discovered. Students develop effective communication, negotiation and conflict resolution skills to successfully lead both domestic and global projects.

ETI3671   Technical Economic Analysis

Fall, Spring   3.00 Credits - 3.00 Hours

This course provides the student with the skills to formulate, develop and apply analytical techniques to reach cost-effective solutions to business, government and/or engineering-related problems. The course will focus on time-based analysis of selection, replacement, lease-to-buy options, multiple alternatives, uncertainty and sensitivity analysis. A problem-solving approach will be implemented to develop the concepts identified. Topics include engineering, decision-making, cash flow equivalence, present worth analysis, annual cash flow analysis, rate of return analysis, incremental analysis, depreciation, income tax assessment, replacement analysis, inflation and deflation, estimating in future event, selecting a minimum attractive rate of return and the successful evaluation and rationing of capital among competing projects.

ETI4115   Project Quality and Risk Management

Fall, Spring   3.00 Credits - 3.00 Hours

Quality management ensures that project deliverables meet pre-determined criteria. Methods for quality management are studied, including quality planning, assurance and control. Risk management is the systematic process of identifying, analyzing, evaluating and controlling project risks. Both qualitative and quantitative risk analyses are conducted and strategies for proactive risk aversion and reactive risk response are developed. Prerequisite: ETI 3440 or ETI 3442.

ETI4448   Applied Project Management

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

In this comprehensive course, students will build statements of work and work breakdown structures, make activity and resourcing decisions, set timelines and utilize scheduling and resource allocation methods. Risk management methods will also be used in working as groups to create and manage project plans. The student will apply the PMBOK standards to real-world projects through a series of case studies. Prerequisites: ETI 3442 and ETI 4115.

ETI4480   Applied Robotics

Spring   3.00 Credits - 3.00 Hours

This course emphasizes advanced topics in robot programming, interfacing and designing for industrial and laboratory applications. Topics include a study of the history of robots, typical configurations, mechanisms, sensors, actuators and advanced control schemes with sensors and actuators for industrial applications. Prerequisites: ETG 2502 or EGN 2312, COT 3103, ETS 3608.

ETI4632   Advanced Stakeholder Analysis for Projects

Fall, Spring   3.00 Credits - 3.00 Hours

Successful project managers learn to develop and apply cooperative and engagement techniques within project teams. Students will develop and apply the processes, tools and techniques that lead project team members and stakeholders and promote effective communications in a multidimensional environment. Students will apply the methods of leadership that are most appropriate for achieving project success. By learning and practicing proven communication, team-building, conflict resolution and negotiation skills, students will help maximize the productivity and results of a project team. Prerequisite: ETI 3630.

ETI4675   Advanced Project Financial Management

Fall, Spring   3.00 Credits - 3.00 Hours

Advanced project management requires an in-depth knowledge of finance and engineering economics. This course is divided into three parts. Part I is the study of financial concepts and introduces record-keeping, financial statements and the accounting equation. Part II, financial analysis and time value of money, focuses on the traditional applications of time value of money and project analysis and justification. Part III is the study of Earned Value Analysis (EVA) of projects and development of financial project reports. Prerequisite: ETI 3442.

ETM1010C Mechanical Measurement and Instrumentation

Spring   3.00 Credits - 3.00 Hours

This course provides the basic foundation for both mechanical and electronic measurement techniques. The course will integrate the concepts, principles and techniques of mechanical measurement with the use of various types of instruments, including micrometers, verniers, calipers, gauges and other types of measuring equipment. The course will also introduce the student to the basic measurement techniques employing electronic test equipment including the operation and usage of digital multimeters, function generators and oscilloscopes. Lab fee required.

ETM2315C Hydraulic and Pneumatic Systems

Fall   3.00 Credits - 3.00 Hours

This course provides the basic principles of electro-mechanical, hydraulic and pneumatic systems. It includes a practical approach to technical problems involving hydraulics and pneumatics, fluid mechanics, hydrostatic forces and pump operation, including the electrical circuitry needed to operate and control hydraulic/pneumatic systems. Lab fee required. Prerequisite: MTB 1329.

ETM3312   Applied Fluid Mechanics

Spring   3.00 Credits - 3.00 Hours

This course deals with fluid properties, fluid statics, buoyancy and stability, flow of fluids in pipes and open channels, flow measurement and forces due to fluids in motion. Prerequisite: ETG 2502 or EGN 2312.

ETM3331C Applied Thermodynamics & Fluid Mechanics

Fall, Spring   3.00 Credits - 3.00 Hours

This course provides an introduction to applied thermodynamics and fluid mechanics. Thermodynamic topics include pressure, temperature, heat and heat transfer, properties of substances, First & Second Law

of Thermodynamics and analysis of power. Fluid dynamic topics include fluid statics and the basic laws of fluid flow, conservation of mass, momentum and energy, applications of the basic laws to pipe flow, hydraulic and pneumatic processes. Prerequisite: ETG 2502 or EGN 2312.

ETM4755   Applied Air Conditioning

Fall, Spring   3.00 Credits - 3.00 Hours

This course covers the analysis of body comfort, psychometrics, heating and cooling load, specification of air conditioning systems, air distribution systems and system piping requirements. Prerequisite: ETC 3270.

ETP2050   Energy Analysis

Fall   3.00 Credits - 3.00 Hours

This course covers the essential principles of sustainable forms of energy. Specific topics include the units of measure, analytical comparisons of energy types, calculating consumption and production values and exploring essential underlying formulas. Case studies will emphasize useful applications of existing sustainable energy sources.

ETP2410   Solar Photovoltaic (PV) Systems

Fall, Spring   3.00 Credits - 3.00 Hours

This course will introduce the student to the principles and fundamental photovoltaic technology. Solar radiation, site survey and planning, solar components and configuration, batteries, PV panel construction, inverters and system sizing are some of the topics covered in depth in this course. This course will help the student develop knowledge of the complete photovoltaic system and the different configurations used in industry.

ETP2420   Solar Thermal Systems

Spring   3.00 Credits - 3.00 Hours

This course covers the background, history, essential theory and principles of Solar Thermal Technology. Specific topics include solar fundamentals, solar water heating systems and components, system installation, check-out and start-up procedures, troubleshooting, pool heating and code and safety issues.

ETP2502   Alternative Energy Sources

Spring   3.00 Credits - 3.00 Hours

As the demand for energy grows worldwide, there has been an increased emphasis on utilization of non-conventional power sources. This course addresses and explores technological advances in alternative forms of energy. Characteristics of both conventional and emerging technologies such as nuclear, hydro-electric, solar, wind, geo-thermal, ocean energy, hydrogen and battery-electric will be explored. Students will be exposed to the obstacles of alternative energy development and technological challenges of their implementation such as cost, infrastructure and availability bases on geography. Pollution and global climate change will be discussed. Identification of major outdoor air pollutants, the scope of outdoor air pollution and the assessment of potential solutions will be emphasized.

ETP2910C Projects in Sustainability

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This is a hands-on, project-based course that covers the essential principles for designing, constructing and operating a residential power generating system. Topics include a review of AC/DC circuits, safety and laboratory

practices, technical recording and reporting and demonstrating proficiency in the principles of renewable power generations systems. Student projects will emphasize their understanding of the complete life cycle of regionally-relevant renewable designs and installations. Prerequisites: ETP 2502 and AER 1602, EET 1035C or ETP 2410.

ETS1535C   Automation and Sensors

Fall   **3.00 Credits - 3.00 Hours**

This course prepares the student for working in the area of process control automation. Lecture and lab assignments provide experience with sensors, level control, flow control, pressure control, temperature control, digital set point and analog processing, and P.I.D. control (piping and instrumentation diagram). Prerequisite: EET 1015C.

ETS1542C   Programmable Logic Controllers (PLCs)

Spring   **3.00 Credits - 3.00 Hours**

This course covers fundamental ladder logic, programmable controller theory, application techniques, and design and troubleshooting of PLC-based (Programmable Logic Controller) systems in class presentations, lab experiments, simulation trainers and multi-modal software learning labs. Hands-on replications of PLC functions are created through labs. Prerequisite: EET 1015C.

ETS2604   Robotics Applications

Fall   **3.00 Credits - 3.00 Hours**

This course is designed to introduce students to the basic principles of robots. Course content will include classification, operation and programming, maintenance, troubleshooting and applications in the robotics industry. Students will use hands-on

practices to become familiar with sections of a robotic system. Prerequisite: ETS 1542C.

ETS3608   Robotics

Spring   **3.00 Credits - 3.00 Hours**

This course emphasizes programming, interfacing and designing robotic work cells for industrial applications. A study of robot configurations and programming techniques will be investigated for applications found in assembly, inspection and material handling. Prerequisites: COT 3103 and EGN 2312 or ETG 2502.

EUH2000   Western Civilization to 1600

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course traces the rise of Western civilization from 1000 B.C.E. to the Renaissance, c. 1600. It emphasizes Greek civilization, including drama, mythology, philosophy and the origins of Greek democracy and then examines the late Roman Republic and early Roman Empire followed by the rise of Christianity, Islam, the Byzantine Empire, the "Flowering of Medieval Culture" and the Christian Synthesis of the late Middle Ages. The European Renaissance and the Reformation including social, political and philosophical issues will be discussed. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

EUH2000HHonors Western Civilization to 1600

Fall   **3.00 Credits - 3.00 Hours**

This course traces the rise of Western civilization from 1000 B.C.E. to the Renaissance, c. 1600. It emphasizes Greek civilization, including drama, mythology,

philosophy and the origins of Greek democracy and then examines the late Roman Republic and early Roman Empire followed by the rise of Christianity, Islam, the Byzantine Empire, the "Flowering of Medieval Culture" and the Christian Synthesis of the late Middle Ages. The European Renaissance and the Reformation including social, political and philosophical issues will be discussed. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Acceptance into Honors program or permission from director. Prerequisite or corequisite: ENC 1101 or ENC 1101H.

EUH2001   Western Civilization 1600 to Present

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course covers the period from c. 1600 to the present. Topics include the scientific revolution, the rise of absolute monarchy in Europe, the 18th-century Enlightenment and the French Revolution. The impact of Napoleon is addressed as is the Industrial Revolution and the advent of socialism, including Marxism. Cultural ideas from Romanticism to social Darwinism are analyzed. European imperialism, World War I and the rise of fascism lead to a discussion of World War II. The impact of western civilization on Asia, Africa and the Middle East are also considered. The Cold War and the modern period conclude the course. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

EUH2001H Honors Western Civilization 1600 to Present

Spring   **3.00 Credits - 3.00 Hours**

This course covers the period from c. 1600 to the present. Topics include the scientific revolution, the rise of absolute monarchy in

Europe, the 18th-century Enlightenment and the French Revolution. The impact of Napoleon is addressed as is the Industrial Revolution and the advent of socialism, including Marxism. Cultural ideas from Romanticism to social Darwinism are analyzed. European imperialism, World War I and the rise of fascism lead to a discussion of World War II. The impact of western civilization on Asia, Africa and the Middle East are also considered. The Cold War and the modern period conclude the course. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Acceptance into Honors program. Prerequisite or corequisite: ENC 1101.

EUH2905   Directed Studies in History

Offered as Needed   3.00 Credits - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

EUH2950   Travel/Study in European History

Offered as Needed   3.00 Credits - 3.00 Hours

This is a travel/study course combining preparation on campus, foreign travel and study abroad in the discipline of European History. Variable content depending on the program in which the student enrolls and the specific topics to be covered. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Students must be 18 years of age on or before departure and permission of instructor or dean is required.

EVR1001   Introduction to Environmental

Science

Fall, Spring   **3.00 Credits - 3.00 Hours**

This is a three-credit-hour General Education course with no prerequisites. Students will study the impact of human systems on the physical and biological environment as well as discuss possible solutions to today's environmental problems. Topics include ecology, natural resources, energy, pollution, population growth, urbanization and sustainability. This course satisfies the General Education State Core Science requirement for degree seeking students.

EVR1001C   Introduction to Environmental Science with lab

Fall, Spring   **4.00 Credits - 5.00 Hours**

This is a four-credit-hour General Education course with no prerequisites. Students will study the impact of human systems on the physical and biological environment as well as discuss possible solutions to today's environmental problems. Topics include ecology, natural resources, energy, pollution, population growth, urbanization and sustainability. The laboratory will give students an analytical learning experience in environmental science, as well as teach them to apply the learned concepts to real world problems and issues. This course satisfies the General Education State Core Science requirement for degree seeking students.

EVR1001H   Honors Introduction to Environmental Science

Offered as Needed   3.00 Credits - 3.00 Hours

This is a three-credit hour General Education course. Students will study the impact of human systems on the physical and biological environment as well as discuss possible solutions to today's environmental problems.

Topics include ecology, natural resources, energy, pollution, population growth, urbanization and sustainability. This course satisfies the General Education State Core Science requirement for degree seeking students. Prerequisite: Acceptance into the Honors Program or permission from the Honors Director.

EVR2950   Travel Studies in Environmental Science

Offered as Needed   3.00 Credits - 3.00 Hours

This course combines on campus lectures and preparation with travel to, and study of, unique ecosystems and the impact humans have upon them. Course content is focused on the region visited. Student must be 18 years of age on or before departure. Departmental permission is required for enrollment.

FES3004   Political and Legal Foundations of Fire Protection

Fall, Spring,   **3.00 Credits - 3.00**
Summer   **Hours**

This course examines the legal aspects of the fire service and the political and social impacts of legal issues. This course includes a review of the American legal system and an in-depth coverage of legal and political issues involving employment and personnel matters, administrative and operational matters, planning and code enforcement, and legislative and political processes with regard to the fire service. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

FES3023   Fire Service Ethics

Fall, Spring,   **3.00 Credits - 3.00**

Summer   **Hours**

This course examines the basic principles of ethics as related to fire service operations and management with special attention given to current issues in the fire service. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

FES3223   Foundations of EMS Systems

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course is an overview of the design and operation of EMS systems, delivery of services, and the echelons of care. The history of EMS, the interface of public and private organizations and review of the various personnel who comprise these systems will be examined in relation to their impact on the healthcare delivery system. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

FES3233   EMS Risk Management and Safety

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course introduces the student to the risk management principles of an EMS agency. Students will focus on safety from the perspective of the field provider. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

FES3263   Public Safety Educator

Fall, Spring,   **3.00 Credits – 3.00**

Summer   **Hours**

This is an upper-level baccalaureate course for students interested in the theory and practice of EMS education. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

FES3284   Management of EMS

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course is for students interested in the practice and principles of emergency medical services systems management and the processes that contribute to the effectiveness of day-to-day operations within an EMS organization. This course introduces the EMS professional to topics that include government structure, strategic planning, injury prevention, risk management and safety, customer service, human resources management, financial management, fleet management, career development, quality management, data collection and research labor relations and special operations. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

FES3782   Applications of Fire Research

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course examines the basic principles of research and methodology for analyzing current fire-related research. This course also provides a framework for conducting and evaluating independent research in the following areas: fire dynamics, fire test standards and codes, fire safety, fire modeling, structural fire safety, life safety, firefighter

health and safety, automatic detection and suppression, transportation fire hazards, risk analysis and loss control, fire service applied research and new trends in fire-related research. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

FES4003   Fire and Emergency Services Administration

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to be a progressive primer for students who want more knowledge about fire and emergency services administration. The course demonstrates the importance of the following skills that are necessary to manage and lead a fire and emergency services department through the challenges and changes of the 21st century: persuasion and influence, accountable budgeting, anticipation of challenges and the need for change, and using specific management tools for analyzing and solving problems. A central part of the course focuses on how the leadership of a fire and emergency services department develops internal and external cooperation to create a coordinated approach to achieving the department's mission. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

FES4046   Personnel Management for Fire and EMS

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course examines relationships and issues in personnel administration and human resource development within the context of fire-related organizations, including personnel management, organizational development, productivity, recruitment and selection, performance management systems, discipline, and collective bargaining. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

FES4234   Community Risk Reduction for Fire and EMS

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course introduces the Fire or EMS professional to the benefits of community information and community relations. Students explore issues in marketing, crafting the message, identifying the audience, developing programs and creating press releases. This course includes a theoretical framework for the understanding of the ethical, sociological, organizational, political and legal components of community risk reduction and a methodology for the development of a comprehensive community risk reduction plan. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

FES4244   Legal, Political and Regulatory Environment of EMS

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is for students interested in the legal, political and regulatory environment of EMS. This course introduces the EMS professional to the legal aspects of Emergency Medical Services. Students explore issues in malpractice, consent and refusal of treatment, OSHA, employment issues and risk management. EMS students gain insight into the legal liabilities in Emergency Medical Services. Prerequisite or corequisite: DSC

3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

FES4274   Quality Management in EMS

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course introduces the student to the value of quality management principles in an EMS agency. Included will be an introduction to the benefits of quality improvement, an overview of the history of quality in EMS and methods of measuring quality in EMS. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

FES4723   Fire Prevention Organization and Management

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course empowers students with knowledge, methods and concepts for effective leadership of comprehensive fire-prevention and risk reduction programs. Prerequisite or corequisite: DSC 3600. There is no prerequisite or corequisite for students in the Criminal Justice, EMS and Fire Science post-baccalaureate certificates.

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* FFP0027 Fire Standards Part 1

Fall, Spring, Summer   **5.47 Credits - 164.00 Hours**

This program prepares the student for a career as a state certified professional firefighter. This program consists of three parts (Fire Standards Part 1, Part 2 and Part 3) and includes both Firefighter I and Firefighter II (Professional Firefighter) curriculum. The entire sequence of three courses must be

completed successfully in order to be eligible to take the state exam for certification as a career firefighter.

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* FFP0028 Fire Standards Part 2

Fall, Spring, Summer   **5.47 Credits - 164.00 Hours**

This program prepares the student for a career as a state certified professional firefighter. This program consists of three parts (Fire Standards Part 1, Part 2 and Part 3) and includes both Firefighter I and Firefighter II (Professional Firefighter) curriculum. The entire sequence of three courses must be completed successfully in order to be eligible to take the state exam for certification as a career firefighter. Prerequisite or corequisite: FFP 0027.

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* FFP0029 Fire Standards Part 3

Fall, Spring, Summer   **5.47 Credits - 164.00 Hours**

This program prepares the student for a career as a state certified professional firefighter. This program consists of three parts (Fire Standards Part 1, Part 2 and Part 3) and includes both Firefighter I and Firefighter II (Professional Firefighter) curriculum. The entire sequence of three courses must be completed successfully in order to be eligible to take the state exam for certification as a career firefighter. Prerequisite or corequisite: FFP 0028.

FFP0360   Fire Apparatus Operations (Apparatus Operator)

Fall, Spring, Summer   **1.33 Credits - 40.00 Hours**

This course covers the laws, rules and driving techniques for emergency vehicles. There will be a practical portion of the course that

includes fire ground evolutions using pre-connected lines, tandem pumping, drafting, relays and master streams. Students must bring gloves and proper attire for water pumping exercises. After successful completion of FFP 0360 and FFP 0361, the student will be eligible to take the state pump operator certification exam through the Florida State Fire College. This course must be completed with a grade of 70% "C" or higher.

FFP0361   Fire Protection Hydraulics and Water Distribution Systems

Fall, Spring, Summer   **1.33 Credits – 40.00 Hours**

This course provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and solve water supply problems. In addition, the curriculum covers pump theory, pump rating and pressure and vacuum gauges. Students will have to successfully complete FFP 0360 and FFP 0361 to be eligible to complete the state pump operator certification exam through the Florida State Fire College. This course must be completed with a grade of 70% "C" or higher.

FFP1301   Fire Protection Hydraulics and Water Supply

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and to solve water supply problems. In addition, the curriculum covers pump theory, pump rating and pressure and vacuum gauges. Students will have to successfully complete FFP 1302 Apparatus Operations to be eligible to complete the State Pump Operator certification exam through the Florida State

Fire College. This course must be completed with a grade of 70 percent "C" or higher to receive credit.

FFP1302   Apparatus Operations

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course covers the laws, rules and driving techniques for emergency vehicles. There will be a practical portion of the course that includes fire ground evolutions using pre-connected lines, tandem pumping, drafting, relays and master streams. Students must bring gloves and proper attire for water pumping exercises. After successful completion of this course and FFP 1301, the student will be eligible to take the State Pump Operator certification exam through the Florida State Fire College. This course must be completed with a grade of 70 percent "C" to receive credit. Lab fee required. Prerequisite: FFP 1301 with a grade of "C" or higher.

FFP1505   Fire Prevention Practices

Fall, Spring   **3.00 Credits – 3.00 Hours**

This course examines the structure and function of fire prevention organizations, conducting inspections, procedures and techniques of fire prevention, recognition and elimination of fire hazards, fire risk analysis as applied to municipal and industrial occupancies, public relations programs, including coordination with other agencies, public education and inspections practices. This course is required for the U.S. Fire Administration Higher Education (FESHE) degree. This course is required for the Florida Fire Safety Inspector and Fire Officer II certifications.

FFP1510   Fire Protection Code and Standards

Spring   **3.00 Credits - 3.00 Hours**

This course covers a thorough study of codes applicable to fire protection and prevention, their application in various types of building construction and design with emphasis on fire protection features. This course is required for the Fire Safety Inspector certification.

FFP1540   Private Fire Protection Systems I

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course provides a study of fire protection alarm and extinguishing systems, including design characteristics, operational theory and functional limitations and capabilities. There will be comparative analysis of the various systems, including the standard governing systems. This course is required for the U.S. Fire Administration Higher Education (FESHE) degree. This course is required for the Fire Safety Inspector I, Fire Investigator I and Fire Officer II certifications.

FFP1612   Fire Behavior and Combustion

Fall, Summer   **3.00 Credits - 3.00 Hours**

This course explores the theories and fundamentals of how and why fires start, spread and how they are controlled. This course is required for the U.S. Fire Administration Higher Education (FESHE) degree.

FFP1702   Principles of Emergency Services

Spring   **3.00 Credits - 3.00 Hours**

This course provides an overview of fire protection, career opportunities in fire protection and related fields, philosophy and history of fire protection/service, fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, laws

and regulations affecting the fire service, fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, introduction to fire strategy and tactics. This course is required for the U.S. Fire Administration Higher Education (FESHE) degree.

FFP1740   Fire Service Course Delivery

Fall, Summer   **3.00 Credits - 3.00 Hours**

This course studies the planning, development, implementation and evaluation of fire service training programs. Training objectives, facilities, equipment, multimedia, schedules and record systems are discussed within the program. Emphasis is on the development of adult learning principles, teaching effectiveness and the skills and abilities required of instructors in the fire service. This course is required for the Florida Fire Officer I and Fire Service Instructor I certifications.

FFP1793   Fire and Life Safety Educator I

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is designed to provide the public educator with the knowledge and skills needed to perform as a fire and life safety educator as addressed in the National Fire Protection Act (NFPA) 1035. Topics include fire behavior, community assessment, injury prevention and juvenile fire setting. The student will also develop presentation skills and learn how to design public education programs. This course is an elective for both the Fire and Life Safety Educator and the Fire Safety Inspector II certification through the Florida State Fire College. This course must be completed with a grade of 70 percent "C" or higher to receive credit.

FFP1801   Managing Emergencies

Spring   3.00 Credits - 3.00 Hours

This course will examine effective management techniques required for coordination between state, local and private sector entities during large-scale disasters. This course introduces the concepts of the Incident Command System (ICS), the National Incident Management System (NIMS) and the National Responses Framework (NRF). This course will show how ICS, NIMS and the NRF provides a template for responsible agencies to work together to prevent or respond to threats and incidents regardless of cause, size or complexity. The student will have the opportunity to complete NIMS-compliant self-study courses via FEMA and the Emergency Management Institute.

FFP1810   Fire Service Strategy and Tactics I

Fall, Spring   3.00 Credits - 3.00 Hours

This course presents the basic concepts of fire attack. It seeks to develop the thinking skills needed by a fire officer in evaluating fire ground situations and planning the necessary steps to insure efficient control of fire under an emergency situation. This course is recommended for the U.S. Fire Administration Higher Education (FESHE) degree. This course is required for the Florida Fire Officer I certification.

FFP2109   Occupational Safety and Health for the Fire Service

Spring, Summer   3.00 Credits - 3.00 Hours

This course introduces the basic concepts of occupational health and safety as they relate to emergency service organizations. Topics include risk evaluation and control procedures for fire stations, training sites, emergency vehicles and emergency situations involving fire, EMS, hazardous materials and technical rescue. Upon completion of this course, students should be able to establish and manage a safety program in an emergency service organization. This course is required for the U.S. Fire Administration Higher Education (FESHE) degree.

FFP2111   Hazardous Materials Chemistry I

Summer   3.00 Credits - 3.00 Hours

This course is designed to show the arson investigator the different forms of matter and energy, common substances and how they relate to fires. The curriculum will discuss chemical formulas of flammable and combustible substances and their bonding and separations. Other course material includes the different chemical reactions related to fire and oxidation. Particular emphasis will be placed on the specific substances used by arsonists to ignite and accelerate burnings. This course is recommended for the U.S. Fire Administration Higher Education (FESHE) degree. This course is required for the Fire Investigator I and Fire Safety Inspector II certifications.

FFP2120   Building Construction for the Fire Service

Fall, Spring   3.00 Credits - 3.00 Hours

This course presents the fundamental concepts of building construction as they relate to how buildings burn. Students will learn how the ravages of fire affect wood, steel, concrete and composite construction. Emphasis is on avoiding human injury in each type of construction. This course is required for the U.S. Fire Administration Higher Education (FESHE) degree. This course is required for the Fire Safety Inspector I, Fire Officer I and Fire Investigator I certifications.

FFP2521   Construction Documents and Plans Review

Spring   3.00 Credits - 3.00 Hours

This course covers the interpretation and application of Fire Protection Code requirements to construction plans, blueprints and the basic surveying mapping techniques of fire protection engineering. This course is required for the Fire Safety Inspector certification. Prerequisite: FFP 1505 or FFP 2120.

FFP2541   Fire Protection Systems II

Summer   3.00 Credits - 3.00 Hours

This course provides a study of fire protection alarm and extinguishing systems, including design characteristics, operational theory and functional limitations and capabilities. There will be a comparative analysis of the various systems, including the standards governing systems. This course is required for the Fire Safety Inspector II certification. Prerequisite: FFP 1540.

FFP2610   Fire Investigation I

Fall   3.00 Credits - 3.00 Hours

This course is designed to enhance the fire investigator's ability to detect and determine the origin and cause of a fire. Specific topics include fire behavior review, investigator ethics, building construction, ignition sources, reading fire patterns and scene re-construction. Special topics include electrical fire investigation, woodland fires, vehicle fires, mobile home fires, RV, boat and ship fires. This course is recommended for the U.S. Fire Administration Higher Education (FESHE) degree. This course is required for the Fire Investigator I and Fire Safety Inspector II certifications.

FFP2706   Public Information Officer

Offered as Needed   3.00 Credits - 3.00 Hours

This course prepares the student to serve effectively as an organizational spokesperson according to the current practices in the profession of public relations and includes numerous examples from the fire service. Particular emphasis will focus on case studies in crisis communications and the role of the Public Information Officer in Incident Command. This course is an elective for the Fire Safety Inspector II certification.

FFP2720   Company Officer

Fall, Spring   3.00 Credits - 3.00 Hours

This course prepares the student for the responsibilities of an officer at the fire company level. This course will assist fire officers in solving the varied problems and situations required to manage effectively in today's fire service. Students will learn about the day-to-day routine of operations of a fire company, management theory, communication, motivation, station and vehicle maintenance, shift staffing and grievance procedures. This course is required for the Florida Fire Officer I certification.

FFP2741   Fire Service Course Design

Spring   3.00 Credits - 3.00 Hours

This course studies the planning, development, implementation and evaluation of fire service training programs. Emphasis is on course and program design. The focus will be on the development of training objectives, multimedia presentations and evaluation of learning which will be discussed within the program. This course is required for the Florida Instructor II and Fire Officer II certifications. Prerequisite: FFP 1740.

FFP2770   Legal and Ethical Issues for the Fire Service

Summer   3.00 Credits - 3.00 Hours

This course deals with the entire spectrum of issues facing fire service leaders. The course will address labor relations, human rights and diversity, conflict of interest and frameworks for ethical decision-making. This course is recommended for the U.S. Fire Administration Higher Education (FESHE) degree. This course is required for the Florida Fire Officer III certification.

FFP2780   Fire Department Administration I

Spring   3.00 Credits - 3.00 Hours

This course is designed to be a progressive primer for students who want more knowledge about fire and emergency services administration. The course demonstrates the importance of the following skills necessary to manage and lead a fire and emergency services department through the following challenges and changes of the 21st century: persuasion and influence, accountable budgeting, anticipation of challenges, the need for change and using specific management tools for analyzing and solving problems. A central part of the course focuses on how the leadership of a fire and emergency services department develops internal and external cooperation to create a coordinated approach to achieving the department's mission. This course is recommended for the U.S. Fire Administration Higher Education (FESHE) degree.

FFP2811   Fire Service Strategy Tactics II

Spring   3.00 Credits - 3.00 Hours

This course covers multiple company operations, logistics, strategy, the use of mutual aid forces and conflagration control. This course is intended for fire officers who may be in command of fires and other emergencies requiring close coordination and maximum use of large amounts of personnel and equipment. Typical tactical situations and scenarios are discussed and practiced. Risk management, planning and critical thinking skills are stressed. This course is required for the Florida Fire Officer II certification. Prerequisite: FFP 1810.

FFP2949   Internship in Fire Science

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty member is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center. Prerequisite: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

FFP2950   Fire Science Capstone

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This capstone course is the conclusion of the

student's fire science technology academic experience. It is the final course completed by students in the Fire Science Technology Associate in Science degree program. The major focus of this course is to integrate the material acquired in the previous courses and apply knowledge to solve problems or issues relating to the fire service or public safety agencies. Departmental consent is required for this final course in the program. Prerequisite: FIRE-AS program plan.

FIN2001   Business Finance

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course focuses on the application of financial practices for the entrepreneurial venture. The student will be able to analyze and evaluate the various sources of funding available for small businesses, become conversant in financial terminology, understand, prepare and analyze financial statements and prepare a loan proposal. The student will be able to describe and explain the importance of working capital and cash management. The student will be able to identify financing needs, establish credit policies and prepare forecasts of estimated cash flows, start-up costs, revenues and expenditures for the first two years of the entrepreneurial venture. Prerequisites: GEB 1011 and ACG 2021 or APA 1111C.

FIN2100   Personal Finance

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course identifies individual strategies for personal, long-term financial health. Students learn how to plan to achieve financial goals, budget effectively, manage credit and save, invest and build wealth and protect assets. Home ownership, retirement planning (401K's, mutual funds, stock and bond investments), tax and estate planning and

insurance alternatives are fundamental features of this course.

FIN3403   Principles of Business Finance

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing and management of business assets. Prerequisites: ACG 2021 and ACG 2071.

FIN4470   Entrepreneurial Finance

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course augments the financing skills specifically needed by the successful entrepreneur. The course focuses on specific tools and knowledge needed to build and maintain a solid financial foundation for a profitable business. It will provide students with essential skills and knowledge needed to develop effective small business finance strategies, priorities and practices. Prerequisite: FIN 3403.

* FIR0319   Apparatus Operations and Fire Service Hydraulics (Pump Ops)

Fall, Spring	2.67 Credits - 80.00 Hours

This course is designed to prepare firefighters for operating fire department pumping apparatus. Lessons include theoretical knowledge of hydraulic principles, pump-theory, mathematical calculations, water supply requirements, legal aspects of emergency vehicle operation, fire-ground pumping evolutions, drafting, relays, hand-line and master stream operations. This course satisfies the 80 hours of basic certification training for Apparatus and Pump Operators seeking certification by the Florida Bureau of

Fire Standards and Training.

FOL2930   Selected Studies in Foreign Language

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

FRE1120   Elementary French I

Fall   4.00 Credits - 5.00 Hours

This is a beginning course focusing on the fundamentals of French grammar and vocabulary. Students will develop language skills by listening, speaking, reading and writing in French. In addition, the course emphasizes multi-cultural understanding of French and Francophone cultures. Lab fee required.

FRE1121   Elementary French II

Fall, Spring   4.00 Credits - 5.00 Hours

This course is a continuation of Elementary French I. It consists of a more advanced level of French grammar and vocabulary. Students will continue to develop language skills by listening, speaking, reading and writing in French. In addition, the course emphasizes multi-cultural understanding of French and Francophone cultures. Lab fee required. Prerequisite: FRE 1120.

FSS2130   Supply and Procurement

Spring   3.00 Credits - 3.00 Hours

This course covers planning and management activities involved in sourcing, procurement, logistics, sustainability, commodities markets and social responsibility related to food products and services.

FSS2203C   Introduction to Culinary Fundamentals

Fall   3.00 Credits - 3.00 Hours

Basic principles and practice of food and beverage preparation, service and menu development are covered in this course. Students will complete the National Restaurant Association Food Safety Certification for Managers.

GEA1000   World Regional Geography

Fall, Spring   3.00 Credits - 3.00 Hours

This course is an introductory study of the human and natural resources of the major regions of the world. From each region, one or more countries are selected for study in depth. Political, cultural, economic and strategic comparisons are made. The current role of the United States in the areas studied receives particular attention. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

GEB1011   Introduction to Business

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course is designed to provide an overview of the business environment. The business disciplines discussed include management, international business, marketing, finance, economics, accounting and business law. This course provides useful information for business majors and any others involved in owning or operating businesses. This course is also recommended for students expecting to

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take ACG 2021 Principles of Financial Accounting.

GEB2112 Entrepreneurship

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides business and non-business majors with the skills necessary to succeed as an entrepreneur. The fundamentals of starting and operating a business, developing a business plan, obtaining financing, marketing a product or service and developing an effective accounting system will be covered.

GEB2350 Global Business

Fall   **3.00 Credits - 3.00 Hours**

This course explores the dynamic environment of international business, a multi-disciplinary subject that draws from international economics (balance of trade, balance of payments), politics, institutions, culture and technology as well as insight into the mechanics of international trade and investment, the international financial system and business management in the global marketplace. Prerequisite: GEB 1011.

GEB2930 Selected Studies in Business

Fall, Spring   **3.00 Credits - 3.00 Hours**

In this course topics of current interest are presented in group instruction.

GEB2931 Selected Studies in Business

Fall, Spring   **1.00 Credit - 1.00 Hour**

In this course topics of current interest are presented in group instruction.

GEB2955 Travel Study in Business

Spring   **3.00 Credits - 3.00 Hours**

This is a travel/study course combining preparation on campus, travel and study in the discipline of business. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure. Permission of the instructor is required.

GEB3213 Writing for Business

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course analyzes the principles of communication in the workplace. The course introduces students to common formats such as the memo, letter and report. In addition, it helps students improve writing skills to gain greater mastery of grammar, mechanics and style. Students learn techniques for writing informational, persuasive, sales, employment, positive and negative communications. Other topics include using the appropriate strategies for internal and external communication situations, audience analysis and communication through technology. This includes e-mail, online meetings, social media and presentations.

GEB3376 The Entrepreneurial and Intrapreneurial Manager

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides students with the skills necessary to succeed as an entrepreneur or to implement change within an organization as an intrapreneur. The fundamentals of starting and operating a business, developing a business plan, obtaining financing, marketing a product or service and developing an

effective accounting system will be covered. Students will study cases of business and develop an in-depth business plan. Prerequisites: ACG 2021, ACG 2071, GEB 3213 and OST 2852.

GEB3930   Selected Studies in Business and Information Management

Fall   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

GEB3933   Select Studies in Business and Information Management

Spring   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

GEB3949H Internship in Business

Fall, Spring,   3.00 Credits - 3.00 Summer   Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 3.5, appropriate job/internship placement, acceptance into the Honors Program and

permission from the Career Development Center and Honors Program.

GEB3955   Travel Study in Business

Spring   3.00 Credits - 3.00 Hours

This is a travel/study course combining preparation on campus, travel and study in the discipline of business. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure. Permission of the instructor is required.

GEB4891   Strategic Management and Decision Making

Fall, Spring,   3.00 Credits - 3.00 Summer   Hours

This course emphasizes strategic planning and strategy implementation in an organization. Students learn how to perform internal and external audits, identify problems, formulate goals and objectives, develop action plans and evaluate the effectiveness of the outcome of the plan in both domestic and international environments. Prerequisite: Senior level status or permission of the Dean.

GEB4900   Capstone in Management and Organizational Leadership

Fall, Spring,   3.00 Credits - 3.00 Summer   Hours

This course involves the integration and application of knowledge, skills and abilities learned through the Management and Organizational Leadership Program through the completion of a comprehensive capstone project. Senior standing required. This capstone course must be completed with a "C" or higher. Prerequisite: Senior level status or permission of the Dean.

GEO1200   Introduction to Physical Geography

Fall, Spring   3.00 Credits - 3.00 Hours

This course is a systematic study of the physical elements of the Earth, including their interrelationships and importance to man and his activities. Basic explanations of physical features of the Earth, their form and origin, principles of weather, world climactic patterns, world vegetation patterns and the study of soil properties and classification into the great soil groups of the world are covered. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

GEO2930   Selected Studies In Geography

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

GEO2949   Cooperative Education Internship in Geography

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and ENC 1101 with a grade of "C" or higher. Corequisite: ENC 1101.

GIS1000   Cartographic Design Basics

Fall, Spring   3.00 Credits - 3.00 Hours

This course will introduce students to the key elements of map design and how they are used to create maps that are clear and substantial. Topics include the identification of the different types of maps, the importance of using appropriate map design techniques, graphic hierarchy and design form. ArcGIS software and a series of labs will be used to design and create map products. Prerequisite: GIS 1040.

GIS1040   Fundamentals of Geographic Information Systems

Fall   3.00 Credits - 3.00 Hours

This course will introduce the student to the use of geographic information systems (GIS) in spatial data exploration, map layout creation and data editing and analysis. This course is a fundamental-level course that assumes no prior knowledge of GIS. Topics covered will include the applications of GIS in various fields, the structure of the ArcGIS platform, the use of different tools to explore and modify spatial data and the analysis of spatial data to answer real world questions.

GIS3015C   Introduction to GIS with Lab

Fall, Spring   3.00 Credits - 3.00 Hours

This course covers the analysis of map properties and use of maps as sources of information, including the essentials of location, scale, projections, direction, elevation and general map elements. An introduction to map-making in geographic information systems is presented.

GLY1000   Introduction to Geology

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This beginning course is designed to give the student a basic understanding of Earth. Emphasis is on Earth materials, geologic hazards, the water cycle and plate tectonics. This course satisfies a natural science requirement and provides background knowledge for further courses in Earth sciences.

GLY1101   Fossils and the History of Life

Fall   3.00 Credits - 3.00 Hours

This course provides an introduction to the fossil record of life on Earth. Focus will be on modes of preservation, identification of fossil material, evolution and the fossil record of invertebrate and vertebrate animals. A field trip may be required.

GLY1102   Planet of the Dinosaurs

Fall, Spring   3.00 Credits - 3.00 Hours

This course provides an introduction to the dinosaurs and the physical environment of the Earth during the Mesozoic era in which nonavian dinosaurs lived. Students will engage with the processes of fossilization and discover how we have learned about these ancient species. Important topics include dinosaur groups, interrelationships and evolution, the skeletal and trace fossil record, inferred lifestyles and behaviors, the origin of birds, Mesozoic paleoclimate, sedimentary paleoenvironments, plate tectonics and the supercontinent cycle. Hypotheses explaining mass extinctions of dinosaur lineages will be reviewed and evaluated.

GLY2010C Physical Geology with Laboratory

Offered as Needed   4.00 Credits - 5.00 Hours

This course provides a survey of introductory ideas in physical geology, including Earth materials, geologic hazards, plate tectonics, the water cycle and surficial landforms. Laboratory work will consist of identification of minerals and rock specimens, interpretation of stratigraphic units and work with topographic, physiographic and geologic maps and imagery. Field trips may be required. Lab fee required.

GLY2100C Historical Geology with
**   Laboratory**

Offered as Needed   4.00 Credits - 5.00 Hours

This course will introduce the student to the geological and biological history of Earth. Focus of study will be on sedimentary rock formation and stratigraphy, interpreting ancient sedimentary environments, the historical progress of plate tectonics and orogenic events, paleoclimatic interpretations and the fossil record of life on Earth. A field trip may be included. Lab fee required.

GRA2101   Introduction to Computer
**   Graphics**

Offered as Needed   3.00 Credits - 3.00 Hours

The Introduction to Computer Graphics course is designed to familiarize publishing, graphic,

art and multi-media students with the basics of hardware and software of the computer system for electronic publishing. Students will be familiarized with commercial graphic design and printing issues as applied to publishing systems. Lab fee required.

GRA2121   Digital Publishing I

Spring   **3.00 Credits - 3.00 Hours**

This course is designed to teach the concepts, terminology and principles of desktop publishing using industry computer software to communicate visual concepts used for the printing of publications such as brochures, advertisements, books and magazines. The student will develop the skills necessary to create publications designed for print publishing and production. Lab fee required.

GRA2122   Digital Publishing II

Fall   **3.00 Credits - 3.00 Hours**

This is an advanced course in page layout software. Designed to teach advanced techniques and principles of digital publishing to assist students in gaining stronger creative control and improved production capabilities. Students create publications displaying multi-faceted integration of sophisticated text and graphic techniques. Emphasis will focus on the development of long-page publications and Internet connectivity. Lab fee required. Prerequisite: GRA 2121 or permission of instructor.

GRA2124   Layout and Design

Spring   **3.00 Credits - 3.00 Hours**

This course is a foundation to computer-aided digital publishing. It will explore various means of viewing visual elements in design. Focus is upon the foundations of professional design skills for computer graphics,

multimedia, film and video and animation. Various media are used to explore traditional media, photography, illustration, animation, film and video and other image media development. The student is introduced to typography, typeface and type as a design element as well as composition, layout, pagination, style, balance, format and project planning. Lab fee required. Prerequisite: DIG 2109C.

GRA2144C Web Design

Spring   **3.00 Credits - 3.00 Hours**

This course includes the design and preparation of websites, including the Web home page. Focus is from a graphics point of view and emphasis is on the importance of Web page design and layout. The course is taught using various software programs. Basics of HTML for the Web will be introduced. Lab fee required.

GRA2151C Digital Illustration

Fall, Spring,   **3.00 Credits - 3.00**
Summer   **Hours**

This course is designed for beginning Adobe Illustrator users. Fundamental concepts and features are introduced and applied to a variety of graphics applications. The world of vector graphics and professional illustrations is entered, explored and applied to a variety of graphic endeavors. Lab fee required.

GRA2152C Digital Illustration II

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is designed for experienced Adobe Illustrator users. Advanced concepts, features and techniques are further enhanced and applied to graphic applications. The world of vector graphics, the Web Internet and professional illustrations are further explored.

Lab fee required. Prerequisite: GRA 2151C.

GRA2157C Fundamentals of Animation

Summer   **3.00 Credits - 3.00 Hours**

This is an advanced course in computer graphics in the design profession. Students will use the computer to create original artwork and illustrations that will be used in professional publications. Advanced concepts, features and professional illustration are further explored. Lab fee required. Prerequisite: DIG 2000.

GRA2201 Digital Imaging I

Fall, Spring,   **3.00 Credits - 3.00**
Summer   **Hours**

This course is an introduction to Photoshop software which provides an extensive variety of electronic tools for manipulating photographs and creating illustrations. The course is designed for the graphics individual who wishes to integrate photography with page layouts. Students will learn the basics of scanning, retouching, color correcting, proofing and output to printer devices. Lab fee required.

GRA2206 Typography

Fall   **3.00 Credits - 3.00 Hours**

This course teaches typography as a primary tool of all graphic designers. The emphasis of the course is in the elements and anatomy of type and its expressive, technical and visual aspects. This course also teaches typeface, size, leading, line length, headlines, grids, hierarchy and the overall character in developing creative elements. Readability in type is examined in the development of publications - ads, books, brochures, identity systems and posters. Prerequisite: DIG 2109.

GRA2207C Digital Imaging II

Fall   **3.00 Credits - 3.00 Hours**

This is a course for experienced Photoshop software graphic design users who wish to expand their skills in the application of this electronic tool for manipulating photographs and illustrations. The course introduces new features, tips and techniques for using these electronic tools. The goal is to apply more controls and improve production capabilities. Lab fee required. Prerequisite: GRA 2201.

GRA2757C Responsive Design

Spring   **3.00 Credits - 3.00 Hours**

This course introduces students to web design for mobile devices. Topics include planning an effective mobile website, industry standard Mobile Markup Language, CSS, mobile commerce, social media, testing and publishing. Upon successful completion of this course, students will be able to plan, develop, test and publish web content designed for mobile devices. Lab fee required. Prerequisite: DIG 2500C.

GRA2930 Selected Studies in Computer Graphics

Offered as Needed   **3.00 Credits - 3.00 Hours**

In this course topics of current interest are presented in group instruction.

GRA2931 Selected Studies in Computer Graphics

Offered as Needed   **1.00 Credit - 1.00 Hour**

In this course topics of current interest are presented in group instruction.

GRA2941   Internship in Computer Graphics

Offered as Needed   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

GRA2942   Internship in Computer Graphics

Offered as Needed   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5,

appropriate job/internship placement and permission from the Career Development Center.

GRA2949   Internship in Computer Graphics

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

GRA2950   Graphic Arts Study Abroad

Summer   3.00 Credits - 3.00 Hours

A global, multi-cultural experience has become an increasingly vital part of a student's education. This study abroad course provides students with opportunities to explore significant international, historical and contemporary sites. Students are exposed to the cultural influences of the arts, graphic arts and architecture. Lectures and course work are complimented by walking tours led by experienced faculty and guest professionals. Students must be 18 years of age on or before departure.

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* **Early Childhood Professional**
HEV0800 **Certificate (ECPC)**

Fall, Spring **2.66 Credits - 80.00 Hours**

In this course students will cover developmentally appropriate practices when working with children ages birth through age eight, acquire competence in the areas of creating a successful developmentally appropriate curriculum and lesson plans, develop the ability to motivate children, recognizing cultural differences when planning activities including children with special needs. Professionalism and advocacy will be imbedded within the program to better inform students of the role the early childhood provider plays within the childcare community. Department permission required.

HFT1000 **Introduction to Hospitality and**
Tourism Management

Fall, Spring, **3.00 Credits - 3.00**
Summer **Hours**

This course introduces the elements of the hospitality industry.

HFT1300 **Executive Housekeeping**

Fall, Spring, **3.00 Credits - 3.00**
Summer **Hours**

This course covers management concepts and responsibilities in the housekeeping division of mid-to large properties. It examines inventory and equipment management, characteristics of materials and supplies, linen and laundry room management and cleaning functions. Students will receive an introduction to managing housekeeping principles, including the latest concepts and practices. Additionally, students will discuss issues of small and large companies, eBusiness and other important issues to managers in the 21st century. Students will gain an

understanding of key housekeeping inventory issues, maintain a functional focus and review current practices in the private, public and military sectors within the hotel industry.

HFT1410 **Front Office Management**

Spring **3.00 Credits - 3.00 Hours**

This course guides students through all the necessary skills to direct activities and solve the complex problems in order to properly manage the front office of a hotel. The course also acquaints students with the operation of all the departments as they apply to their primary responsibility of selling rooms and serving guests. Prerequisite: HFT 1000.

HFT2008 **Guest Services and**
Professionalism in Hospitality

Fall, Spring, **3.00 Credits - 3.00**
Summer **Hours**

This course analyzes the important topics of customer service and consumer trends influencing hospitality services, developing and maintaining a service culture, managing service encounters, the importance of market research, building and maintaining customer relationships, providing customer service through the servicescape and the impact of technology on customer service. Students will also evaluate the characteristics of professionalism and distinguish their responsibilities as professionals.

HFT2210 **Hospitality Management and**
Leadership

Fall, Spring, **3.00 Credits - 3.00**
Summer **Hours**

This course focuses on the different roles of employees from beginning leaders, newly-promoted supervisors or anyone planning a career in the hospitality field. The content

considers the viewpoint of all levels associated to create an informed picture of management and supervision in the hospitality industry.

HFT2220   Hospitality Human Resource Management & Legal Aspects

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course defines the roles of the human resource department in the hospitality industry. It examines human resources functions, including job descriptions and specifications, recruitment and hiring, orientation and training programs, compensation and benefits, labor relations and managing human resources in a global environment. Prerequisite: HFT 1000.

HFT2261   Advanced Restaurant Management

Spring   **3.00 Credits – 3.00 Hours**

This course reviews menu engineering, analysis, evaluation and scheduling of the economic, technical, aesthetic and merchandising factors involved in the systematic planning, programming and design cycle for restaurants. Actual restaurant projects will serve as the basis for discussion and student project work. Prerequisites: HFT 1000 and HFT 2265.

HFT2264   Catering and Banquet Organization

Fall   **3.00 Credits – 3.00 Hours**

Throughout this course, students will examine special events and catering operations, menu planning and pricing, food procurement, safety and sanitation, human resource management, sales and relationships with other departments and outside vendors. Emphasis throughout the course will be placed on logistical operations and different market

segments.

HFT2265   Principles of Restaurant Management

Spring   **3.00 Credits – 3.00 Hours**

This course covers the basic principles of restaurant management with topics that include menu development, dining service styles and procedures, beverage service styles and procedures, service equipment and supplies, facility layout, décor, cleaning and maintenance, casual/theme restaurants, banquets and catered events. Prerequisite: HFT 1000.

HFT2441   Information Technology in Hotel Management

Spring   **3.00 Credits – 3.00 Hours**

This course covers current computer applications in the hospitality industry, including information technology specific to hotel accounting, finance, marketing and management.

HFT2450   Hospitality Cost Controls and Budgeting

Fall   **3.00 Credits – 3.00 Hours**

This course covers the operational study of the decision-making process involved in the budgeting of the hospitality industry. Emphasis is placed on budgeting, pricing decisions, cost-volume-profit analysis and capital budgeting.

HFT2461   Revenue Management

Spring   **3.00 Credits – 3.00 Hours**

This course is designed to provide students with an introduction to strategies used in

hospitality revenue management. The following topics will be introduced: capacity management, duration control, demand and revenue forecasting, discounting, overbooking practices, displacement analysis, rate management and sales mix analysis. Prerequisite: HFT 2450.

HFT2500   Hospitality Sales and Marketing

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

In this course, students develop an actual marketing campaign for business within the hospitality industry. Emphasis is placed on (a) analysis of market, competition and product, (b) planning a financial budget and (c) developing short-term and long-range strategies to achieve desired profit through effective advertising, sales and public relations plans.

HFT2650   Franchising and Multi-Unit Management

Spring   **3.00 Credits - 3.00 Hours**

Throughout this course, students will develop an understanding of the history of restaurant franchising in the United States. Students will also examine legal contracts, financing and brand management.

HFT2750   Wedding, Event and Meeting Management

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to prepare students for entry-level employment in events planning and/or meeting management. The content includes the principles and practices of sound public relations, planning and organizing weddings, events, meetings, conferences, or conventions and prepares students for

employment opportunities with trade and professional associations, consulting firms, non-profit organizations and corporations.

HFT2930   Selected Studies in Hospitality Management

Offered as Needed   3.00 Credits - 3.00 Hours

This course will serve to deepen the student's knowledge on subjects addressed with the hospitality industry. Exploration and observation on special topics may include discussion related to lodging, restaurants, tourism and food management.

HFT2931   Selected Studies in Hospitality Management

Offered as Needed   1.00 Credit - 1.00 Hour

This course will serve to deepen the student's knowledge on subjects addressed with the hospitality industry. Exploration and observation on special topics may include discussion related to lodging, restaurants, tourism and food management.

HFT2932   Selected Studies in Hospitality Management

Offered as Needed   2.00 Credits - 2.00 Hours

This course will serve to deepen the student's knowledge on subjects addressed with the hospitality industry. Exploration and observation on special topics may include discussion related to lodging, restaurants, tourism and food management.

HFT2941   Internship in Hospitality

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is work-based experience that provides students with supervised career

exploration activities and/or practical experiences. Seminars may be a component of this course and regular contact with the assigned advisor is required. Students may earn internship credits based on completion of the required work experience and satisfactory completion of assignments including, but not limited to seminars and a project. This course may be repeated at the discretion of the Career Development Center. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

HFT2942   Internship in Hospitality

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course is work-based experience that provides students with supervised career exploration activities and/or practical experiences. Seminars may be a component of this course and regular contact with the assigned advisor is required. Students may earn internship credits based on completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated at the discretion of the Career Development Center. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

HFT2949   Internship in Hospitality

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is work-based experience that provides students with supervised career exploration activities and/or practical experiences. Seminars may be a component of this course and regular contact with the assigned advisor is required. Students may earn internship credits based on completion of the required work experience and satisfactory completion of assignments including, but not limited to seminars and a project. This course may be repeated at the discretion of the Career Development Center. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

HFT2950   Travel Study in Hospitality Management

Offered as Needed   **3.00 Credits - 3.00 Hours**

This course is designed to promote cultural competence and an appreciation for diversity through visiting other countries and interacting with their citizens and hospitality professionals. Students will examine the role and challenges of hospitality professionals within other cultures. Students will also have the opportunity to collaborate with members of a hospitality team.

HIM1000   Introduction to Health Information Management

Fall, Spring,   **3.00 Credits - 3.00**

Summer **Hours**

This course introduces the student to the health information management (HIM) career field. Students will be provided with a strong foundation in the principles of HIM such as the content and management of the medical record, paper-based and electronic, healthcare law, classification systems, healthcare statistics and quality management. The healthcare delivery system will also be explored with emphasis placed on the hospital and medical staff organization as well as the types of healthcare facilities. Prerequisites: ENC 1101 or ENC 1102, CGS 2100C and HSC 1531 with grades of "C" or higher.

HIM1442 Pharmacology and Lab Medicine

Fall, Spring **3.00 Credits - 3.00 Hours**

This course is a study of the principles and language of pharmacology and laboratory medicine, including drugs and drug classes, diagnostic tests, indications, techniques, expression of values and significance of findings. Prerequisite: HSC 1531.

HIM1451 Human Pathophysiology and Pharmacology

Fall, Spring, Summer **4.00 Credits - 4.00 Hours**

This course provides an overview of all body system diseases and conditions, including etiology, signs and symptoms, diagnostic treatment modalities, prognosis and prevention. This course will provide the student the opportunity to explore basic concepts regarding the most common therapeutic medications prescribed to treat the most common human disease conditions. The five rights of drug administration and causes of medication errors will also be identified in order to enhance medical record review. Prerequisites: HSC 1531 and HIM 1453 or BSC

1020 or BSC 1084 or BSC 2093C and BSC 2094C with grades of "C" or higher.

HIM1453 Anatomy and Physiology

Fall, Spring, Summer **3.00 Credits - 3.00 Hours**

This course is a presentation of the essential anatomy and physiology of the human body. All body organ systems are discussed in a format of lecture, diagrams and audio-visual material. The course will introduce some aspects of chemistry and microbiology as it relates to healthcare, although emphasis is not placed in these areas. A knowledge of the anatomy and physiology of the human body as a basis for later study of disease processes is an essential part of the curriculum for students in the health profession.

HIM1622 Introduction to Health Information Statistics

Fall, Spring **2.00 Credits - 2.00 Hours**

The course builds the foundation for understanding selected concepts taken from topics which include basic operations of whole numbers, fractions, decimals and percentages, data sets, an introduction to probability and basic statistical terminology and computations. Critical thinking skills, quantitative reasoning and communicating mathematically are incorporated to prepare students for HIM 2214 Health Data Analysis Research and Management with continuation of the required course textbook. Students must complete this course with a grade of "C" or higher. Prerequisite: MAT 0022C or MAT 0028C or MAT 0057 or equivalent with a grade of "C" or higher or MAT 0055 with a passing grade or sufficient score on placement test.

HIM2012 Legal Aspects of Health Information

Fall, Spring   3.00 Credits - 3.00 Hours

This course builds the foundation for understanding the legal and ethical aspects of health information management, including the structure of the American legal system and the principles of health law. Students will gain a thorough understanding of the role that medical record information has in legal proceedings, healthcare legislation and regulations. Topics include legal terminology, HIPAA privacy and security of health information, patient rights, and the role of HIM professionals in risk management and compliance programs. Some of the course exercises and activities include HIPAA compliance, healthcare data breaches, medical record completion and the release and tracking of health information. Students must complete this course with a grade of "C" or higher. Corequisite: HIM 1000.

HIM2211C Computer Applications and Technologies in Healthcare

Spring, Summer   3.00 Credits - 3.00 Hours

This course provides an overview of healthcare information systems with a concentration on computerized health information management (HIM) functions. Through hands-on learning, students will be introduced to common software applications utilized to perform HIM processes. Emerging technology issues in healthcare will be explored. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: HIM 2722C and HIM 2012 with a grade of "C" or higher.

HIM2214   Health Data Analysis Research and Management

Summer   3.00 Credits - 3.00 Hours

This course is an introduction to the collection, statistical computation, compilation and presentation of internal and external healthcare data in the following four categories: administrative, public health and financial, including value-based purchasing. In addition, the course will include basic research terminology and methodologies. Some of the course exercises include: fundamental Excel computations and data display techniques, analysis of public health data, and working with large data sets. Students must complete this course with a grade of "C" or higher. Prerequisites: HIM 2272, HIM 2510, CGS 2108C with grades of "C" or higher.

HIM2272   Advanced Reimbursement Principles of Healthcare Services

Spring   3.00 Credits - 3.00 Hours

This course examines the complex financial systems within today's healthcare environment, providing an understanding of the healthcare reimbursement methodologies used to facilitate provider reimbursement. Students will learn about applicable state and federal regulations related to HIPAA-mandated electronic claims transactions and CMS-1450 (commonly referred to as the UB-04) claims processing. Other topics such as payer requirements and voluntary insurance will be examined. An introduction to regulatory compliance, revenue cycle and charge description master (CDM) maintenance will be provided. This course will help prepare the student to pursue a multifunctional career path in areas dealing with health information management and patient financial services in physician offices and/or acute care facilities. Students must complete this course with a grade of "C" or higher. Prerequisites: HIM 1622, HIM 2722C, HIM 2510 and HIM 2012 with grades of "C" or higher.

HIM2292   Advanced Coding Applications

Fall, Summer   3.00 Credits - 3.00 Hours

Part one of this course covers advanced medical coding for inpatient using the ICD-10-CM and ICD-10-PCS code sets. Students will learn the key attributes of ICD-10-PCS, including organization, structure, conventions and tables. This course will allow the student to continue improving their quality and accuracy in code selection based on the official guidelines for coding and reporting, along with other official coding references. In the second half of this course, the student will engage in an in-depth study of the revenue cycle process. The student will explore each component of the revenue cycle process: payer reimbursement, patient access, documentation and charge capture, records completion and coding, and lastly, claims management. This in-depth study will prepare the student to participate in revenue cycle management activities within a healthcare organization. Throughout the entire course, the student will engage in hands-on learning using computer-assisted coding (CAC) software, encoders and groupers. Students must complete this course with a grade of "C" or higher. Prerequisite: HIM 2722C and HIM 2012 with a grade of "C" or higher. Corequisites: HIM 2211C, HIM 2721C and HIM 2940.

HIM2510 Healthcare Performance Improvement Practices

Fall   **3.00 Credits - 3.00 Hours**

This course develops an understanding of the quality management initiatives in healthcare, including utilization review, case management and risk management. The study of quality management in healthcare will be based upon the roles and influences of accrediting bodies, regulatory agencies, legislation, society and payers. An introduction is also provided in quality tools, data collection methods, as well as interpreting and reporting data. Students must complete this course with a grade of "C" or higher. Prerequisites: CGS 2108C, HIM 1000 and HIM 1622 with grades of "C" or higher.

Prerequisites and/or corequisites: HIM 2012 and HIM 2722C.

HIM2512 Management of Health Information Operations

Summer   **3.00 Credits - 3.00 Hours**

This course is an introduction to the management of health information operations. Subjects of focus will be principles of human resources, diversity, planning and budgeting, orientation and training of personnel, and organizing work processes, including evaluating and improving work performance. Students must complete this course with a grade of "C" or higher. Prerequisites: HIM 2211C, HIM 2272, HIM 2510 and HIM 2940 with grades of "C" or higher.

HIM2721C Outpatient Coding and Electronic Physician Office

Spring, Summer   **3.00 Credits - 3.00 Hours**

This course covers the basic principles of the physician's Current Procedural Terminology (CPT) coding system and the HCPCS Level II coding system for proper coding in an outpatient setting. Regulatory compliance requirements related to both coding systems will also be addressed. Students will gain practical experience utilizing electronic health information technology to accomplish various medical office administrative processes. Students must complete this course with a grade of "C" or higher. Prerequisite: HIM 2722C with a grade of "C" or higher.

HIM2722C Basic Disease Coding

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is the study of the international classification of diseases (ICD-10-CM). Students will learn about ICD-10-CM's organization, structure, conventions and

guidelines. Students will practice properly abstracting, assigning and sequencing diagnosis codes. The importance of the AHIMA Standards of Ethical Coding and coding compliance will be stressed. Students must complete this course with a grade of "C" or higher. Prerequisites: HINFO-AS or HINFO-CC program plan, HIM 1453 and HSC 1531 with grades of "C" or higher. Corequisites: HIM 1000 and HIM 1451.

HIM2933   Selected Studies in Health Information

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

HIM2940   Practicum Experience I

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

The Practicum I will enable the student to gain hands-on practice with actual patient medical records for ICD-10-CM, CPT and HCPCS coding. Students will attend a professional meeting related to HIM/HIT to begin forming professional relationships. Students will practice the basic employability skills of resume writing and job interviewing to be prepared to make the transition from school to career. Students must complete this course with a grade of "C" or higher. Prerequisites: HIM 2012 and HIM 2722C with a grade of "C" or higher. Prerequisite or corequisite: HIM 2721C.

HIM2943   Practicum Experience II

Summer   4.00 Credits - 4.00 Hours

This is a capstone course for the Health Information Management A.S. program where students will complete a 40-hour supervised, professional practice experience in a Health Information Management (HIM)-related department of a hospital and/or alternative healthcare setting. The student will observe and participate in daily functions within a healthcare organization that will reinforce learned content through direct application. At the end of the experience, the student will be able to identify and evaluate various HIM functions and processes within said healthcare institution. In addition, students will prepare for the Registered Health Information Technician (RHIT) exam, culminating with sitting for the exam as part of their final course grade. Enrollment in this course is by department consent only. Students must meet all general education requirements for the degree prior to being eligible to enroll in this course. Students must complete this course with a grade of "C" or higher. Prerequisites: HIM 2211C, HIM 2510, HIM 2272, HIM 2940 with grades of "C" or higher. Prerequisites or corequisites: HIM 2292, HIM 2512 and HIM 2214.

HIS2930   Selected Studies in History

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

HLP1081   Wellness Appraisal and Improvement

Fall, Spring   3.00 Credits - 3.00 Hours

This course will introduce students to the need for and benefits of regular physical activity by exploring healthful life style alternatives, attitudes and different types of exercise. Students will develop and participate in a personal program of fitness and weight management including exercise for cardiorespiratory endurance, muscular strength, flexibility and relaxation.

HLP2905   Directed Studies in Wellness

Offered as Needed   3.00 Credits - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student and instructor will design a course of study (learning contract). Approval from the dean is required prior to registration. This course may be taken three times for credit.

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HLP2949   Cooperative Education Internship in Physical Education and Recreation

Offered as Needed   1.00 Credit - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

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HPS2100H Honors History Meets Science

Summer   3.00 Credits - 3.00 Hours

This course will use an interdisciplinary approach to create an introduction to both science and European history during the two related periods (such as Greek and Roman or Medieval and Renaissance). Students will examine major historical events, actors, ideas and cultural trends. They should also strengthen their skills in writing, reading and critical analysis. Each historical theme for study will correspond to a concept in science so that students will be able to approach architecture, military engineering and other elements of period life with modern scientific knowledge. Prerequisites: Acceptance into Honors program and ENC 1101 or ENC 1101H or permission from the Honors director.

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HSA2100   Healthcare Delivery Systems

Summer   3.00 Credits - 3.00 Hours

This course introduces the organization, financing and delivery of health care services, accreditation, licensure and regulatory agencies.

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HSA2255   Medical Office Software

Fall   4.00 Credits - 4.00 Hours

This course presents the use of an integrated medical practice management and electronic health record system (PM/EHR) in a medical office setting. Students first learn the conceptual framework for medical billing and for the use of electronic health records in medical documentation and patient management. By working through exercises of increasing difficulty that simulate the use of a PM/EHR, students develop transferable skills needed to manage the required software tasks across the total patient encounter.

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HSA2322   Healthcare Insurance and Payment Systems

Spring   3.00 Credits - 3.00 Hours

In this course the student will become familiar with common medical billing practices, the

health insurance industry, legal and regulatory issues and differences in reimbursement methodologies. The student will learn principles of medical billing related to proper claim form preparation, submission and payment processing and the follow-up process.

HSA2940   Internship in Health Services Management

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.0, appropriate job/internship placement and permission from the Career Development Center.

HSA2942   Internship in Health Services Management

Fall, Spring,   2.00 Credits - 2.00 Summer   Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work

experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.0, appropriate job/internship placement and permission from the Career Development Center.

HSA2943   Internship in Health Services Management

Fall, Spring,   3.00 Credits - 3.00 Summer   Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.0, appropriate job/internship placement and permission from the Career Development Center.

HSA3113   Healthcare Trends and Issues

Fall, Spring   3.00 Credits - 3.00 Hours

This course provides the student with the

knowledge of key issues and trends of the U.S. healthcare system. This course promotes the analysis of key healthcare issues with an emphasis on healthcare policies and initiatives that shape healthcare delivery. An analysis of the current structure of profit versus non-profit healthcare organizations, financing healthcare and the impact of financial stakeholders will be emphasized. Ethical issues that develop when government, the private sector and consumers vie to influence healthcare are presented as a component of evidence-based policy revisions. Students are introduced to the different types of research, its focus, methods and the nature of their subsequent findings.

HSA3191   Health Information Systems

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides an overview of technology and information systems employed in the healthcare industry today. Topics include the Internet and health, growing use of information technology in health, electronic medical records, protecting privacy, technical considerations, health applications of the Internet and telemedicine, public policy issues, organizational issues and technical issues and challenges.

HSA3383   Continuous Quality Monitoring and Accreditation

Spring, Summer   3.00 Credits - 3.00 Hours

This course provides a foundational exploration of the concepts of healthcare accreditation and continuous quality monitoring. The concept of quality assurance is explored from a perspective of selected accreditation, regulatory, licensing and certification programs. The interface of accreditation and reimbursement is explored. Health information systems are used in the analysis of health care accreditation,

government mandates and regulatory activities as they impact consumer outcomes. Legal implications of quality monitoring are analyzed. Social, political, professional and organizational influences upon health services delivery are explored from a perspective of demand, special populations, financing and service delivery.

HSA4170   Healthcare Financial Management

Fall, Spring   3.00 Credits - 3.00 Hours

This course is for non-financial managers who need basic knowledge of financial management and healthcare finance and also serves as an introductory course for those who will be more directly involved in the financial aspects of healthcare. The course includes an overall explanation of financial accounting terminology, how it works, review of financial reports and the managerial component that is necessary for everyday management in healthcare settings. The course uses actual examples from hospitals, long-term care facilities and home health agencies, as well as case studies to prepare students to read, analyze, understand and use financial statements and budgets.

HSA4184   Leadership in Healthcare Organizations

Fall, Spring   3.00 Credits - 3.00 Hours

This course introduces students to an overview of the basics of leadership and management with an emphasis on the roles, functions and skills necessary in the changing healthcare environment. Organizational patterns of various types of healthcare institutions, such as hospitals, long-term care facilities, outpatient services and community agencies are analyzed. Introduction to various administrative functions, including departmental functions, policy information, internal control systems, planning procedures, fiscal and personnel management, public

relations and various information needs of administration will also be covered.

HSA4553 Legal and Ethical Aspects in Healthcare

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides an overview of the legal and ethical aspects faced by healthcare consumers, practitioners, administrators and healthcare facilities. Students will be introduced to the structure of the American legal system and the principles of health law. Ethical theories and philosophies and their application to various components of the healthcare delivery system will be introduced. Medical professional ethics, HIPAA privacy and security issues will be reinforced.

HSA4553H Honors Legal and Ethical Issues in Healthcare

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides an overview of the legal and ethical aspects faced by healthcare consumers, practitioners, administrators and healthcare facilities. Students will be introduced to the structure of the American legal system and the principles of health law. Ethical theories and philosophies and their application to various components of the healthcare delivery system will be introduced. Medical professional ethics, HIPAA privacy and security issues will be reinforced. Student must be accepted into the Honors Program. Prerequisite: Acceptance into Honors program.

HSC1000   Introduction to Health Care

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This introductory course provides an overview

of the health professions and the healthcare delivery system. Other topics include disease prevention and wellness promotion, guidelines for legal, ethical and moral practice and communication skills. Students will be introduced to the use of computers in healthcare, including diagnostic and monitoring capabilities. The emphasis of this course is to establish a firm foundation of professional characteristics, behaviors, values, skills and knowledge for students to build upon in their healthcare careers. Prerequisite: TABE reading and language with minimum scores of 582 and 572 or test scores that indicate ENC 1101 eligibility or appropriate college developmental courses for ENC 1101 eligibility with a grade of "C" or higher or EAP coursework for ENC 1101 eligibility with grades of "C" or higher or ENC 1101 with a grade of "C" or higher.

HSC1100   Personal and Community Health

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to help college students understand the vital concepts about health and effective living. Topics include studying some of the scientific principles, identifying related health problems and issues in our changing society and environment and providing a background for intelligent decisions throughout one's lifetime concerning health.

HSC1531   Medical Terminology

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This is an introductory course to the language of medicine utilized by healthcare professionals. Basic word structure and formation, medical terms, abbreviations, definitions and spelling are included. Major disease processes and pathological conditions of specific body systems will be discussed.

Prerequisite: TABE reading and language with minimum scores of 582 and 572 or test scores that indicate ENC 1101 eligibility or appropriate college developmental courses for ENC 1101 eligibility with a grade of "C" or higher or EAP coursework for ENC 1101 eligibility with grades of "C" or higher or ENC 1101 with a grade of "C" or higher.

HSC2400   First Aid and CPR

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to provide the knowledge and skills needed to meet emergency first aid situations. There will be comprehensive training in recognition, evaluation and handling victims of illness or accidents. Students, after successful completion, will receive an American Heart Association Basic Life Support (BLS) card. Lab fee required.

HSC2561   Dementia Care

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

The student will gain knowledge about theories of care when dealing with different dementias, activities for meaningful dementia care, medication administration, behavior management, communication and methods of involving the family in the care of the patient. Prerequisite: HSC 2724.

HSC2941   Internship in Health Sciences

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

HSC2942   Internship in Health Sciences

2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

HSC2949   Internship in Health Sciences

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to provide students the

opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

HSC2950   Travel Study in Healthcare

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This is a travel/study course combining preparation on campus, travel and study in the discipline of health sciences. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure. Permission of the instructor is required.

HSC3057   Research Strategies for Health Science

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

Students will acquire the knowledge, skills and abilities to succeed in college-level research by identifying, evaluating and using diverse information sources from the internet and library databases. This course follows the research process with a health science focus that includes developing topics and thesis statements, creating search strategies and

critically evaluating and ethically citing sources. These research and critical thinking skills are crucial for success, not only in college, but also in the health science workplace. This six-module online course teaches students how to apply information literacy competencies to the research process. Each module addresses one of the six Frames identified by the Framework for Information Literacy for Higher Education (ACRL, 2015) which employs the concepts of meta-literacy, metacognition and threshold concepts. Each frame is a broad concept to assist learning and embracing new understandings about information, research and scholarship across disciplines.

HSC3502   Major Diseases in the U.S. Population

Fall   **3.00 Credits - 3.00 Hours**

This course provides an overview of medical and psychosocial aspects of chronic diseases, including issues of disability management.

HSC3661   Communications for Healthcare Professionals

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course is designed to enhance student understanding of the specific health benefits that come from positive communication between medical professionals and patients, clients, staff or other lay audiences. Students will be exposed to a variety of communication strategies relevant to the health professions. Topics will include written and oral communication techniques for health and business-related situations. Corequisite: HSC 3057.

HSC3931   Selected Studies in Health Science

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to allow students to explore current issues and topics in health science through online instruction.

HSC3932   Selected Studies in Health Science

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course is designed to allow students to explore current issues and topics in health science through online instruction.

HSC3933   Selected Studies in Health Science

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to allow students to explore current issues and topics in health science through online instruction.

HSC3940   Internship in Health Sciences

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to provide students with the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5,

appropriate job/internship placement and permission from the Career Development Center.

HSC3951H Honors Selected Studies in Health Science

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to allow students to explore current issues and topics in health science through online instruction. Student must be accepted into the Honors Program. Prerequisite: Acceptance into Honors program.

HSC3952H Honors Selected Studies in Health Science

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course is designed to allow students to explore current issues and topics in health science through online instruction. Student must be accepted into the Honors Program. Prerequisite: Acceptance into Honors program.

HSC3953H Honors Selected Studies in Health Science

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to allow students to explore current issues and topics in health science through online instruction. Student must be accepted into the Honors Program. Prerequisite: Acceptance into Honors program.

HSC4032   Theory and Practice of Teaching Health Science

Fall   **3.00 Credits - 3.00 Hours**

This is an introductory course for health educators that encompasses learning theories

and instructional methods. Focus is placed on commonly used and innovative theories with emphasis on determining applicability to the simulation environment. The course will include basics of instructional development, curriculum design and principles of formative and summative evaluation. Teaching methods that promote learning and provide motivation for continued learning will be explored.

HSC4231   Client Education in Healthcare

Fall, Summer   3.00 Credits - 3.00 Hours

This course focuses on the delivery of client-specific health education. An emphasis will be placed on assessing and delivering educational programs that include health, wellness, disease, disease prevention and quality of life. Students will learn to evaluate training methods, curriculum, objectives and educational experiences that will best serve diverse patient populations.

HSC4240   Trends and Theoretical Foundations in Healthcare Simulation

Spring   3.00 Credits - 3.00 Hours

This course will review the historical trends of healthcare simulation and focus on current trends and best practices. Classroom discussions will include the development of simulation education in healthcare. A focus will be on how simulation is used in a variety of settings and by different professions. Prerequisite: HSC 4032 with a grade of "C" or higher.

HSC4244   Managing a Simulation Program or Center

Summer   3.00 Credits - 3.00 Hours

The purpose of this course is to provide the opportunity for students to gain knowledge and skill in planning, designing and maintaining a simulation center. Content will include organizing, set-up, maintenance, trouble-shooting, technology and personnel needs for a simulation program/center. Prerequisites: HSC 4032, HSC 4240 and HSC 4245 with a grade of "C" or higher.

HSC4245   Instructional Technologies in Healthcare Simulation

Spring   3.00 Credits - 3.00 Hours

This is an overview course of the technology used to implement healthcare simulation education programs. Modalities include, but are not limited to, computer and web-based simulators, environmental fidelity, psychological fidelity, manikin-based simulators, virtual reality, virtual environments, standardized patients and haptic simulators. Discussion will focus on how technology is used to support the educational process. Prerequisite: HSC 4032 with a grade of "C" or higher.

HSC4246C Simulation Operations

Fall   3.00 Credits - 3.00 Hours

This course is designed to introduce the student to the operations that pertain to a simulation program or center. Students will be exposed to a variety to simulation modalities including, but not limited to, computer and web-based simulators, environmental fidelity, psychological fidelity, manikin-based simulators, virtual reality, virtual environments, standardized patients and haptic simulators. Prerequisites: HSC 4032, HSC 4240, HSC 4244 and HSC 4245 with a grade of "C" or higher.

HSC4404   Medical Disaster Management

Fall, Spring,   3.00 Credits - 3.00

Summer   **Hours**

This course introduces students to various facets of natural and technological disasters while integrating public health research designs and practices. Discussions will utilize recent and historical case studies as a basis for developing the critical thinking and leadership skills needed by healthcare professionals in crisis situations. International, domestic and regional settings will be addressed as well as the social, economic and political aspects of disaster planning, preparedness and mitigation. Students also gain an understanding of basic public health concepts and methodologies.

HSC4500   Epidemiology

Fall, Spring,   **3.00 Credits – 3.00**
Summer   **Hours**

This course will explore the role of epidemiology in healthcare practice and its impact on health policy. Types and methods of epidemiology and how it shapes prevention efforts, health promotion and public health policy will be discussed.

HSC4555   Pathophysiology

Spring   **3.00 Credits – 3.00 Hours**

This course provides the student with an overview of the topic of pathophysiology for health-related degrees. Etiology, pathophysiology, diagnosis, prevention and treatment of the major human diseases are presented. Both infectious and non-infectious diseases of the human body system are included.

HSC4694   Individual, Group and Worksite Health Promotion Programs

Spring   **3.00 Credits – 3.00 Hours**

This course is designed for healthcare, public health and wellness professionals who desire to educate and support clients to achieve positive health goals through lifestyle changes and behavior modification. Topics will include the promotion of healthy lifestyle choices in nutrition, mindfulness and physical health. Coaching skills with a focus on the practical application of brief intervention and motivational interviewing skills is emphasized. Students will gain the knowledge and skills to develop, manage and sustain health and wellness programs while maintaining a supportive environment for behavior change.

HSC4720   Behavior Modification in Health Coaching

Spring   **3.00 Credits – 3.00 Hours**

This course is designed for students who desire to become health coaches. Health coaches help individuals adopt achievable strategies that lead to behavior change, lifelong healthy eating and improved exercise habits. Topics include coaching for smoking cessation, stress management, weight loss and preventative care practices.

HSC4730   Health Sciences Research

Fall, Spring,   **3.00 Credits – 3.00**
Summer   **Hours**

This course incorporates basic research methods, processes and models in analyzing research studies and incorporating current quality standards and evidence-based protocols into healthcare. Students are introduced to the formal study of research methods, including literature search, hypothesis generation and testing, sampling theory, research design, data analysis and report-writing. Application of these methods will be utilized to research health-related and health administration-related topics.

HSC4730H Honors Health Sciences Research

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course incorporates basic research methods, processes and models in analyzing research studies and incorporating current quality standards and evidence-based protocols into healthcare. Students are introduced to the formal study of research methods, including literature search, hypothesis generation and testing, sampling theory, research design, data analysis and report-writing. Application of these methods will be utilized to research health-related and health administration-related topics. Student must be accepted into the Honors Program. Prerequisite: Acceptance into Honors program.

HSC4921   Capstone Preparation

Fall, Spring, Summer   **.00 Credits - 1.00 Hour**

This course is designed to prepare students to take HSC 4922 Capstone Project in Health Sciences or HSC 4922H Honors Capstone Project in Health Sciences. Students will identify their project topic, select group members, complete a team charter and hold their first learning team meeting. Internship students will develop and submit a proposal for their selected internship. Students must register for this course the semester before they plan to take the capstone course. This course will not count towards enrollment verification.

HSC4922   Capstone Project in Health Sciences

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is a culminating experience for Health Science majors involving a substantive project that demonstrates a synthesis of

learning accumulated in the major, including broadly comprehensive knowledge of the discipline and its methodologies. With faculty approval, students will complete a capstone project that aligns with their career goals in the form of a team project or internship. The course objectives reflect the student learning outcomes for this degree. Corequisites: ECP 4530, HSA 3191, HSC 4730, HSC 3661 and HSA 4553. Prerequisite: HSC 4921.

HSC4922H Honors Capstone Project in Health Sciences

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is a culminating experience for Health Science majors involving a substantive project that demonstrates a synthesis of learning accumulated in the major, including broadly comprehensive knowledge of the discipline and its methodologies. With faculty approval, students will complete a capstone project that aligns with their career goals in the form of a team project or internship. The course objectives reflect the student learning outcomes for this degree. Prerequisites: HSC 4921 and Acceptance into Honors program. Corequisites: ECP 4530, HSA 3191, HSC 4730, HSC 3661 and HSA 4553.

HSC4955   Travel Study in Health Science

Spring   **3.00 Credits - 3.00 Hours**

This course is designed to promote cultural competence and an appreciation for diversity through visiting other countries and interacting with their citizens and healthcare professionals. Students will examine the healthcare delivery systems and financing of healthcare, the role and challenges of the healthcare professional, and degree of collaboration within the healthcare team. Students must be 18 years of age before departure.

HSC4955H Honors Travel Study in Health Sciences

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to promote cultural competence and an appreciation for diversity through visiting other countries and interacting with their citizens and healthcare professionals. Students will examine the healthcare delivery systems and financing of healthcare, the role and challenges of the healthcare professional and degree of collaboration within the healthcare team. Student must be accepted into the Honors Program. Prerequisite: Acceptance into Honors program.

HUM2020 Experiencing the Humanities

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This humanities course is designed to introduce students to the critical study of human culture and its varied expressions across time. Students will employ interdisciplinary methods of analysis through engagement with diverse cultural artifacts in order to develop a foundational understanding of the human experience and its connection to culture. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This course satisfies the General Education State Core Humanities requirement for degree seeking students. Prerequisite: ENC 1101.

HUM2020HHonors Experiencing the Humanities

Offered as Needed   3.00 Credits - 3.00 Hours

This humanities course is designed to introduce students to the critical study of human culture and its varied expressions across time. Students will employ

interdisciplinary methods of analysis through engagement with diverse cultural artifacts in order to develop a foundational understanding of the human experience and its connection to culture. This course partially satisfies the writing requirements of S.B.E. 6A-10.030. This class satisfies the General Education State Core Humanities for degree seeking students. Prerequisites: ENC 1101 or ENC 1101H. Acceptance into the Honors Program or permission from the Honors Director.

HUM2022HHonors Liberal Arts Humanities

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

The design of this course creates a diverse learning community for students in the Liberal Studies program. The course is a multi-cultural and inter-disciplinary study of the arts, performing arts, literature, history and philosophy with special focus on race, gender and class. Honors level material. The course satisfies three credits of General Education requirements in Humanities and partially satisfies the writing requirement of S.B. E. 6A-10.030. Prerequisites: Acceptance into Honors Program and ENC 1101.

HUM2220 Ancient/Classical Humanities

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

A course designed to promote the understanding and appreciation of humankind's cultural heritage in the prehistoric, Egyptian, Mesopotamian, Judaic, Greek and Roman periods. Representative works in art, music, literature and philosophy will be studied. Global culturalism will be incorporated into the course content. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2223 Medieval Humanities

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to promote the understanding and appreciation of humankind's cultural heritage in the Early Christian and Medieval periods. Representative works in art, music, literature and philosophy will be studied. Global culturalism will be incorporated into the course content. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2232 Renaissance/Baroque Humanities

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to promote the understanding and appreciation of the creative process and world culture. Representative works in art, literature, music and philosophy will be studied from the Renaissance and Baroque periods. Global culturalism will be incorporated into the course content. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2234 18th and 19th Century Humanities

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to promote the understanding and appreciation of the creative process and world culture. Representative works in art, literature, music and philosophy will be studied from the Enlightenment and Romantic periods. Global culturalism will be

incorporated into the course content. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2250 20th/21st Century Humanities

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to study representative works of the 20th and early 21st centuries in the performing arts, visual arts, music, literature, film and philosophy so that the student will appreciate the foundations of the 20th century and allow projections into the future. Global culturalism will be incorporated into the course content. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course will also show how technology interacts with culture in the contemporary world. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 or ENC 1101H.

HUM2250HHonors 20th/21st Century Humanities

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to study representative works of the 20th and early 21st centuries in the performing arts, visual arts, music, literature, film and philosophy so that the student will appreciate the foundations of the 20th century and allow projections into the future. Global culturalism will be incorporated into the course content. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course will also show how technology interacts with culture in the contemporary world. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites:

Acceptance into Honors Program and ENC 1101 or ENC 1101H.

HUM2322   Women, Gender and Culture

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is designed to introduce the student to the contributions of women in the humanities. It will examine their contributions to literature, art and music from the Classical period to the present day. Students will learn how gender has influenced production of the arts throughout these periods. Examining notions of masculinity and femininity will be a key component of the course and their various representations in art, literature and music will be a major subject of study. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2322HHonors Women, Gender and Culture

Offered as Needed   **3.00 Credits - 3.00 Hours**

This course is designed to introduce the student to the contributions of women in the humanities. It will examine their contributions to literature, art and music from the Classical period to the present day. Students will learn how gender has influenced production of the arts throughout these periods. Examining notions of masculinity and femininity will be a key component of the course and their various representations in art, literature and music will be a major subject of study. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: ENC 1101 and acceptance into Honors program.

HUM2410   Asian Humanities

Fall   **3.00 Credits - 3.00 Hours**

This course is designed to introduce the student to the Indian and Southeast Asian cultures. Emphasis will be placed on the basic myths underlying culture, their manifestation in the arts and their diffusion throughout South and Southeast Asia. Representative works in literature, mythology, philosophy and the visual arts will be studied. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2410HHonors Asian Humanities

Spring   **3.00 Credits - 3.00 Hours**

Honors Asian Humanities is designed to introduce the student to the cultures of India, Tibet and Southeast Asia. The basic myths underlying culture will be studied as well as their manifestation in the arts. The course will explore the development of Indian thought with special emphasis on early Buddhism and the development of Mahayana Buddhist schools. Representative works in literature, mythology, philosophy and the visual arts will be studied. Archeological rites in Cambodia, Burma and Thailand will be studied as examples of myth in architecture. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors program and ENC 1101 with a minimum grade of "C" or higher.

HUM2454   African American Humanities

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to explore African American cultures and artistic manifestations and to promote increased awareness, understanding, degrees of tolerance and aesthetic appreciation of African American heritage. Pre-European African influences to modern cultural values of African American

societies will be examined. Contemplative objects representing both visual and performing arts will be studied in their historical context. The student will be introduced to Internet resources as they pertain to appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2454HHonors African American Humanities

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to explore African American cultures and artistic manifestations and to promote increased awareness, understanding, degrees of tolerance and aesthetic appreciation of African American heritage. Pre-European African influences to modern cultural values of African American societies will be examined. Contemplative objects representing both visual and performing arts will be studied in their historical context. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors program and ENC 1101 with a minimum grade of "C" or higher.

HUM2461   Latin American Humanities

Fall, Spring   3.00 Credits - 3.00 Hours

This course is designed to introduce the student to Latin American cultures and to promote the understanding and appreciation of its cultural heritage. Ancient to modern cultures will be surveyed. Emphasis will be placed on cultural roots and myth as well as artists' commitment to social and political struggle. Representative works in the visual arts, literature and music will be studied. No knowledge of Spanish or Portuguese is required. The student will be introduced to Internet resources as they pertain to

appropriate thematic materials. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2461HHonors Latin American Humanities

Fall   3.00 Credits - 3.00 Hours

This course is designed to introduce the student to Latin American cultures and to promote the understanding and appreciation of Latin American heritage. Ancient to modern cultures will be surveyed. Emphasis will be placed on cultural roots and myth as well as artists' commitment to social and political struggle. Representative works in the visual arts, literature and music will be studied. No knowledge of Spanish or Portuguese is required. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors program and ENC 1101 with a minimum grade of "C" or higher.

HUM2740   Travel/Study in Humanities

Offered as Needed   3.00 Credits - 3.00 Hours

This is a travel/study course combining preparation on campus, foreign travel and study abroad in the discipline of Humanities. Students must be 18 years of age before departure. Permission of instructor or dean is required. Variable content depending on the program in which the student enrolls and the specific topics to be covered. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2821   LGBTQ Studies in the Humanities

Fall, Spring   3.00 Credits - 3.00 Hours

This course is designed to introduce students to the cultural contributions of members of the

LGBTQ community and to promote a better understanding, awareness and appreciation for this culture's unique traditions. Emphasis will be placed on the origins of the culture and on the historical context of the production and use of artistic creation. Expressive cultural artifacts will be the primary focus of study. These include visual and performance art as well as works of literature. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

HUM2930 Selected Studies in Humanities

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit.

HUM2931 Selected Studies in Humanities

Offered as Needed   1.00 Credit - 1.00 Hour

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit.

HUM2941 Internship in the Humanities

Offered as Needed   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

HUM2942 Internship in the Humanities

Offered as Needed   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

HUM2949 Internship in the Humanities

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic

program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

HUN1001   Basic Nutrition

Fall, Spring   **3.00 Credits – 3.00 Hours**

This course is designed as an introductory course focusing on the basic principles of nutrition for non-majors. Students will gain the knowledge and skills necessary to make healthful decisions to support good nutritional status.

HUN1201   The Principles of Nutrition

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course provides instruction in the scientific principles of nutrition, including the role of specific nutrients, digestion of each, absorption, metabolism and sources of the nutrients and requirements of the various age groups. Emphasis is on the factors influencing the ability of individuals to maintain good nutritional status. Prerequisite: Eligibility for ENC 1101 or higher.

HUN1930   Selected Studies in Nutrition

Summer   **1.00 Credit – 1.00 Hour**

In this course, topics of current interest are presented in group instruction. Corequisite: HUN 1201.

HUN2015   Diet Therapy for Health Care Professionals

Fall, Spring, Summer   **1.00 Credit – 1.00 Hour**

A study and application of science–based nutrition concepts within healthcare focusing on medical nutrition therapy in disease management. Prerequisite: HUN 1201 with a grade of "C" or higher.

HUN2202   Human Nutrition and Diet Therapy

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course focuses on the scientific principles of normal nutrition, including specific nutrients, digestion, absorption, metabolism and nutritional requirements of different age groups. This course has a special focus on the application of nutrition principles to physical health. Emphasis is placed on the interdisciplinary team approach to disease prevention and health restoration. Prerequisite: BSC 1010C with a grade of "C" or higher or HUN 1201 with grade of "C" or higher or BSC 2093C or BSC 2094C with a grade of "C" or higher.

HUN3931   Special Topics in Health Coaching

Summer   **3.00 Credits – 3.00 Hours**

This unique elective course provides students an opportunity to study a specific area of nutrition that is not available in the current curriculum. Students will review the current literature and research in nutrition related to the selected topic. Topics may include a certain area of human nutrition that is not currently offered in the curriculum or emerging nutrition issues that affect the local community. Prerequisites: HUN 4296, HSC 3502, HSC 4694, PET 4093 and HSC 4231 or HSC 4720 with a grade of "C" or higher.

HUN4296 Nutrition for Health and Weight Management

Spring   **3.00 Credits - 3.00 Hours**

This course explores current dietary trends and examines the role geopolitical and economic forces have on our day-to-day food choices. The spectrum of popular diets and their advocates and critics will be discussed along with the current scientific research available for each. Students will reflect on the diversity of food choices, prohibitions and taboos that exist within our multicultural and multiethnic communities, with an eye toward increasing awareness and sensitivity. An emphasis will be placed on the health promotion theory and guidelines to optimize nutrition-related behaviors. Prerequisite: HUN 1201 or HUN 2202 with a grade of "C" or higher.

IDH1920   Introduction to Honors

Fall, Spring   **1.00 Credit - 1.00 Hour**

This course orients Honors students to the College and the Honors program. The course focuses on leadership development, critical thinking skills and problem-solving. Study skills, presentation skills and research methods are also emphasized. Prerequisite: Acceptance into Honors program.

IDH2300   Honors Seminar- Mathematical Modeling for the Physical Sciences I

Fall, Spring   **1.00 Credit - 1.00 Hour**

IDH 2300 is a one-credit seminar designed to help students to apply mathematical modeling techniques to applications in physical sciences. This includes traditional mathematical framing, the use of spreadsheets and graphing strategies, and simulation building using the Glowscript/Visual Python computer language.

The goal is to support the topics taught in PHY 2048C and to help students become more proficient problem-solvers. Prerequisite: Acceptance into Honors program. Corequisite: PHY 2048C or PHY 2048CH.

IDH2301   Honors Seminar- Mathematical Modeling for the Physical Sciences II

Fall, Spring   **1.00 Credit - 1.00 Hour**

IDH 2301 is a one-credit seminar designed to help students to apply mathematical modeling techniques to applications in the physical sciences. This includes traditional mathematical framing, the use of spreadsheets and graphing strategies, and simulation building using the Glowscript/Visual Python computer language. The goal is to support the topics taught in PHY 2049C and to help students become more proficient physics problem-solvers. Prerequisite: Acceptance into Honors program. Corequisite: PHY 2049C or PHY 2049CH.

IDH2703   Honors Leadership Development

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to explore styles of leadership, to develop and improve their communication and team building skills and gain personal insight that will help them in their future careers. The course integrates readings from the humanities, experiential exercises, video/film clips, and contemporary readings on leadership. Lastly, the course provides opportunities for students to become "servant leaders" through service learning. Prerequisite: Admission to the Honors Program or approval from the Honors Director.

IDH2903   Directed Studies in Honors

Offered as Needed   1.00 Credit - 1.00 Hour

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration. Prerequisites: Acceptance to Honors program and permission from the Honors Director.

IDH2904   Directed Studies in Honors

Offered as Needed   2.00 Credits - 2.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration. Prerequisites: Acceptance to Honors program and permission from the Honors Director.

IDH2905   Directed Studies in Honors

Offered as Needed   3.00 Credits - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration. Prerequisites: Acceptance into the Honors Program and permission from the Honors Director.

IDH2930   Selected Studies in Interdisciplinary Honors

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit. Prerequisite: Acceptance into Honors program.

IDH2931   Selected Studies in Interdisciplinary Honors

Offered as Needed   1.00 Credit - 1.00 Hour

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit. Prerequisite: Acceptance into Honors program.

IDH2932   Selected Studies in Interdisciplinary Honors

Offered as Needed   2.00 Credits - 2.00 Hours

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit. Prerequisite: Acceptance into the Honors Program or permission from the Honors Director.

IDH2940   Honors Capstone Project

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

The student will complete, under the guidance of a faculty mentor, a project that will define and execute a research question. Guidelines will be established regarding format, standards and review of projects. Prerequisites: Acceptance to the Honors program, a minimum of 45 completed college credits, permission from the Honors director, and permission from a faculty member.

IDH2941   Honors Internship

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center. Acceptance into the Honors Program or permission from the Honors Director.

IDH2942   Honors Internship

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5,

appropriate job/internship placement and permission from the Career Development Center. Acceptance into the Honors Program or permission from the Honors Director.

IDH2943   Honors Portfolio

Fall, Spring, Summer 1.00 Credit - 3.00 Hours

This course is a culminating experience for students in the Grindle Honors Institute. Students will reflect on and articulate their academic and personal growth through the development of an Honors Portfolio. Through documentation of academic and co-curricular experiences, students connect their undergraduate experience to the objectives of the Grindle Honors Institute. Prerequisites: Acceptance into Honors program and permission from the Honors director. All Honors co-curricular requirements must be completed prior to enrollment in the portfolio course.

IDH2949   Honors Internship

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and

permission from the Career Development Center. Acceptance into the Honors Program or permission from the Honors Director.

IDH2950   Travel Study in Honors

Summer   3.00 Credits - 3.00 Hours

This Honors travel/study course combines preparation on campus, travel and study. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure. Permission of the Honors director required. Prerequisite: Acceptance into Honors program.

IDS1107   First Year Experience Flightpath: Chart Your Course

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

Students in the Flightpath course will connect directly to the robust college culture of Seminole State with its collaborative, inclusive, and supportive environment. Students will explore the Pathways approach and become familiar with campus resources and the Navigate app software. Through coursework and exploration, students will dig deeper into various career pathways, course requirements, understanding of academic expectations, and extra-curricular opportunities in their fields of interest. Students will also experience and contribute to the powerful benefits of the College's culture, including curriculum to enhance student self-advocacy, information literacy, and goal setting, all of which maximizes student success as they earn their degrees. This course requires engagement in college activities that may occur outside of your scheduled class. This is a required course for First Time in College Associates of Arts students. It should be taken in the first term of enrollment and must be completed within the first 15 credit hours.

IDS1185   Self in the 21st Century Society

Fall, Spring   3.00 Credits - 3.00 Hours

This course is designed to study how the conventional self created by society, dubbed the social self by sociologists, is not capable of making our 21st century world more peaceful and equitable. In this course we will explore how the social self is formed around society's leading ideas, values and norms - all geared to privilege some groups while disadvantaging others. On the other hand, the course will examine our other self, the spiritual self, the self of our inner being and how its purpose is to transform society into a social environment where everyone can live a life of purpose and dignity. Specifically, in this course, students will explore how the spiritual self has fueled the emergence of a great global shift in consciousness, a fundamental change in our perceptions, core values, beliefs and priorities aimed to rescue and restore the natural, innate moral goodness and goodwill of our human species.

IDS1352   Critical Thinking and Technology

Fall   3.00 Credits - 3.00 Hours

In this course, students have the opportunity to develop critical and analytical skills that will enable them to evaluate, consciously and deliberately, the diverse ideas, information and perspectives that characterize the contemporary world. A focus on new information technologies will stimulate the development of intellectual skills by challenging students to be creative, critical and constructive users of information. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101.

IDS2950   Travel Study Interdisciplinary Studies

Offered as Needed   3.00 Credits - 3.00 Hours

This is a travel/study course combining preparation on campus, travel and study in interdisciplinary studies. Content is varied depending on the program in which the student enrolls and the specific topics covered. Students must be 18 years of age on or before departure and permission of instructor or dean is required.

IND1100   History of Architecture and Design I

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course traces the application of art into the development of architecture, interiors and furniture design from ancient civilizations to the end of the 19th century. The student will develop the ability to recognize and use different period styles of architecture, interior and furniture in today's setting. Terminology of both architectural styles and furniture will be stressed. This course will introduce the historic preservation registration process and respective preservation application. Students must complete this course with a grade of "C" or higher.

IND1200   Decorating Tips and Tricks

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This introductory course is designed to teach homeowners the basics of interior décor. Topics will cover the fundamental elements and principles of design, the latest trends in decorating and how to develop your personal style. Emphasis will be placed on budgeting, color coordination, furniture and accessory arrangement and selecting appropriate finishes. This is a class for non-majors.

IND1233C   Studio I: Interior Design Fundamentals

Fall, Spring, Summer   **3.00 Credits - 4.00 Hours**

This introductory course is designed to acquaint the student with the fundamental theories and processes of the profession. Emphasis is placed on all aspects of the design process and creative problem-solving that supports human behavior, functionality and aesthetics for today's interior environments. Students apply theories such as the elements and principles, human factors, spatial analysis and space planning and the science of color and color scheme development in a variety of residential settings. Students must complete this course with a grade of "C" or higher to advance to the next level studio. Lab fee required.

IND1404C   Technical Design

Fall, Spring, Summer   **3.00 Credits - 4.00 Hours**

This course is designed specifically for interior design students. It will aid the student in developing an understanding of basic principles with applications in the preparation of drawings, use and care of instruments and equipment, lettering, sectional views, detailing, lighting, plumbing and the use of schedules. Student must complete this course with a grade of "C" or higher. Lab fee required.

IND1422   Interior Finishes and Textiles

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to familiarize the interior design student with the materials, finishes and textiles used in both residential and commercial applications. Emphasis is places on product knowledge, fabrication and

installation methods. Environmental and performance factors such as durability, flammability and care will be addressed. A variety of field trips and/or guest speakers will be scheduled to enhance class lectures for students taking the on-campus course. Students must complete this course with a grade of "C" or higher.

IND1935   Building Codes and Accessibility

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course gives the design student an in-depth understanding of the building codes, life safety codes and the Americans with Disabilities (ADA) act. Knowledge of these codes are vital to all aspects of the design process. Lectures will be combined with practical applications. Students must complete this course with a grade of "C" or higher. Prerequisite: IND 1233C. Prerequisite or corequisite: IND 1404C.

IND2012C Studio II: Residential Interior Environments

Fall, Spring, Summer   **3.00 Credits - 4.00 Hours**

This course presents projects in residential design. Emphasis is placed on all aspects of the design process and creative problem-solving. Floor plans will be analyzed for function and aesthetics. Color theories and schemes, the selection of appropriate interior finishes and the selection of furnishings will be applied to projects. Graphic skills and presentation techniques are developed. Students must complete this course with a grade of "C" or higher to advance to the next level studio. Lab fee required. Prerequisites: IND 1233C and IND 1404C. Prerequisite or corequisite: IND 1422 or IND 1488, and IND 2307C.

IND2016C Studio III: Introduction to Commercial Design

Fall, Spring   **3.00 Credits - 4.00 Hours**

This course acquaints the student with the complexities of commercial interiors. Emphasis is placed on all aspects of the design process and problem-solving for commercial spaces. The projects encompass life safety and ADA codes, space planning, human factors, non-structural building systems, lighting technologies and the selection of commercial-grade interior finishes and furnishings. Design solutions will be conveyed using computer-generated software such as CAD. Students must complete this course with a grade of "C" or higher to advance to the next level studio. Lab fee required. Prerequisites: IND 2012C, IND 2307C and ETD 1320C. Prerequisite or corequisite, IND 1935.

IND2130   History of Architecture and Design II

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is a survey of historic architectural interiors from the early American periods through contemporary architecture, interiors and furniture design. The influence of international schools of thought related to architecture, interiors and furniture design will be introduced. Current trends in interior furnishings and architecture will be examined. Students must complete this course with a grade of "C" or higher. Prerequisite: IND 1100.

IND2150   Historic Preservation

Fall   **3.00 Credits - 3.00 Hours**

This course introduces historic preservation with an emphasis on restoration, rehabilitation and adaptive use of historic building interiors, including the theory and

history of the preservation movement. The process and standards of historic preservation will be studied and applied to case studies. Students must possess an understanding of architectural history concepts.

IND2221C   Studio IV: Advanced Commercial Design

Fall, Spring   3.00 Credits - 4.00 Hours

This course provides an advanced individual and collaborative team approach to commercial design. Emphasis will be placed on the design process, spatial analysis, life safety and building codes, research and the selection and specification of interior finishes and furnishings. Projects will range in size and scope and will integrate non-structural building systems, lighting technologies and an understanding of millwork construction. Indoor environmental factors such as acoustics and speech privacy will be addressed. Design solutions will be conveyed using computer-generated software such as CAD. Students must complete this course with a grade of "C" or higher to advance to the next level studio. Lab fee required. Prerequisite: IND 2016C and IND 2462.

IND2290   Autism and the Built Environment

Summer   3.00 Credits - 3.00 Hours

This course introduces students to Autism Spectrum Disorders and interior design configuration for individuals impacted. Coursework focuses on current research in the field of autism as well as best practices for meeting the variety of sensitivities to individuals with autism.

IND2307C   Visual Communication

Fall, Spring,   3.00 Credits - 4.00
Summer   Hours

This course is designed to develop graphic skills and provide students with the ability to communicate spatial concepts. Emphasis is placed on visual communication tools employing a variety of media forms. Free-hand sketching, one- and two-point perspectives, material delineation, tonal investigation, compositional and presentation techniques are included. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisites: IND 1233 and IND 1404C.

IND2321   Design Theory

Fall, Spring,   3.00 Credits - 3.00
Summer   Hours

This course is designed to introduce the student to the fundamental interior design and color theories and their relationship to the human experience, behavior and performance in the built environment. Theoretical studies will include both research and application to design scenarios and projects. Emphasis will be placed on the connections between these theories and their psychological effects, cultural norms and socio-economic implications. Students must complete this course with a grade of "C" or higher. Prerequisites: IND 1233C and IND 1100.

IND2442   Furniture Design

Spring   3.00 Credits - 3.00 Hours

Form and function merit equal influence on the design and fabrication of furniture. This creative studio course conveys the importance and impact of aesthetic, material and ergonomic considerations on the style, size and stability of successful furnishings through the conceptualization and craft of an original furniture piece. Prerequisite: IND 2307C.

IND2461   Building Systems

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course dissects critical building systems and their effect on the built environment. Structural design, mechanical, electrical and plumbing systems as well as indoor air quality and acoustics will be discussed. Lectures, field trips and guest speakers are included to stress the importance of collaboration between the related fields of interior design, construction and engineering. Students must complete this course with a grade of "C" or higher. Prerequisites: IND 1233C, IND 1404C and (IND 1422 or IND 1488).

IND2462   Revit for Interior Applications

Fall, Spring, Summer   **3.00 Credits - 4.00 Hours**

In this introductory course, students will learn the basic methodology of parametric systems using Revit software technology for interior applications. Three-dimensional projects will be created and rendered with a variety of materials, light sources, color and other graphic variations. Students must complete this course with a grade of "C" or higher. Prerequisite: ETD 1320C or IND 2460C.

IND2484C   Construction Documents

Fall, Spring   **3.00 Credits - 4.00 Hours**

This studio course focuses on the preparation of comprehensive, computer-generated sets of construction drawings. Emphasis will be placed on the technical aspects of residential and commercial structures, building systems and specifications. Students will further develop basic two-dimensional drafting using AutoCAD software within the course. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisites: ETD 1320C, IND 1935C and IND 2012.

IND2500   Professional Principles and Practices of Interior Design

Fall, Spring   **3.00 Credits - 3.00 Hours**

Students will gain insight into the role of an interior designer, career pathways and the profession in a global context. An emphasis will be placed on establishing and maintaining a successful interior design practice. Teams will collaborate on a comprehensive semester-long project to develop a business model which will culminate into a final business plan for small business loan and to secure funding from an investor. Students must complete this course with a grade of "C" or higher. Prerequisite: Student must have completed 12 or more college credits in an interior design program or department consent required.

IND2514   Public Relations in Interior Design

Spring   **3.00 Credits - 3.00 Hours**

This course introduces students to the field of public relations and gives insight into strategies that can be used to manage the reputation of interior design businesses, small or large. Topics include crisis management, publicity, media relations, social media, ethics and legal issues. No prerequisites required.

IND2523   A.S. Portfolio Design

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course prepares the A.S. in Interior Design degree student for entering the workforce and interviewing with prospective employers. Students will create an electronic portfolio of previously completed residential and commercial projects. Emphasis is placed on professional level graphic techniques and oral communication skills. This course must be completed with a grade of "C" or higher. Prerequisite or corequisite: IND 2221.

IND2622   Sustainability in the Built Environment

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course will expose students to the impact of buildings on natural resources and the environment. Weekly lessons will cover sustainable rating systems, as well as modules in water efficiency, energy conservation measures, indoor environmental quality, and materials and resources. Sustainable best practices and standards will be emphasized. Students must complete this course with a grade of "C" or higher.

IND2930   Selected Studies in Interior Design

Offered as Needed   3.00 Credits - 3.00 Hours

This course is scheduled for students who wish to explore topics, emerging trends and/or technologies currently impacting the interior design profession. Coursework is presented in group instruction. Variable content depending upon the specialized topic in which student is enrolled.

IND2931   Selected Studies in Interior Design

Offered as Needed   1.00 Credit - 1.00 Hour

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

IND2932   Selected Studies in Interior Design

Offered as Needed   2.00 Credits - 2.00 Hours

In this course, topics of current interest are presented in group instruction.

IND2941   Interior Design Internship

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications and general exposure to various aspects of the interior design industry. Students are expected to complete the required 50 internship hours under the guidance of an interior designer or architect, to be considered a qualified learning experience. Seminars may be a component of this course. Regular contact with the assigned faculty advisor is required. Students shall secure an internship opportunity and/or employer sponsorship prior to seeking departmental approval. This course may be repeated based upon the student's academic plan. Lab fee required. Prerequisites: Department approval of employer and job responsibilities prior to registration in this course. A minimum of 12 technical college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

IND2942   Interior Design Internship

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications and general exposure to various aspects of the interior design industry. Students are expected to complete the required 100 internship hours under the guidance of an interior designer or architect, to be considered a qualified learning experience. Seminars may be a component of this course. Regular contact with the assigned

faculty advisor is required. Students shall secure an internship opportunity and/or employer sponsorship prior to seeking departmental approval. This course may be repeated based upon the student's academic plan. Lab fee required. Prerequisites: Department approval of employer and job responsibilities prior to registration in this course. A minimum of 12 technical college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

IND2949   Interior Design Internship

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications and general exposure to various aspects of the interior design industry. Students are expected to complete the required 150 internship hours under the guidance of an interior designer or architect, to be considered a qualified learning experience. Seminars may be a component of this course. Regular contact with the assigned faculty advisor is required. Students shall secure an internship opportunity and/or employer sponsorship prior to seeking departmental approval. This course may be repeated based upon the student's academic plan. Lab fee required. Prerequisites: Department approval of employer and job responsibilities prior to registration in this course. A minimum of 12 technical college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State

College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

IND2950   Travel Study in Architecture and Interior Design

Offered as Needed   3.00 Credits - 3.00 Hours

A global, multi-cultural experience has become an increasingly vital part of a student's education. This study abroad course provides students with opportunities to explore significant international historical and contemporary sites. Students are exposed to the cultural influences of architecture, construction methodologies and interior design. Lectures and coursework are complemented by walking tours led by experienced faculty and guest professionals. Students must be 18 years of age on or before departure.

IND2951   Service Learning Project

Offered as Needed   3.00 Credits - 3.00 Hours

In collaboration with the construction and engineering programs, students will have an opportunity to apply knowledge acquired from his or her coursework to real-world projects. Interdisciplinary teams will be presented with a humanitarian problem to solve that will address community needs such as the health, safety or the environment. Service learning projects will vary and may require international travel as part of the experiential learning experience.

IND2952   Service Learning Project - Comprehensive

Offered as Needed   6.00 Credits - 6.00 Hours

In collaboration with the construction and engineering programs, students will have an

opportunity to apply knowledge acquired from his or her coursework to real-world projects. Interdisciplinary teams will be presented with a humanitarian problem to solve that will address community needs such as the health, safety or the environment. Service learning projects will vary and may require international travel as part of the experiential learning experience.

IND3245C Studio V

Fall, Spring   **3.00 Credits - 4.00 Hours**

In this course, students will explore emerging trends in the commercial interior design field while completing a studio-based project. Emphasis will be placed on the design process, including programming, conceptual design and design development. Adherence to life safety codes and the selection and specifications of commercial grade interior finishes, finishing and equipment will be stressed. Students must complete this course with a grade of "C" or higher to advance to the next level studio. Lab fee required. Prerequisites: IND 2221C and IND 2462. Prerequisite or Corequisite: IND 3495.

IND3323   Advanced Color Theory

Summer   **3.00 Credits - 3.00 Hours**

This course is an advanced study of color theories and applications to the built environment. A further study of the psychological effects of color is included in the course content. A lecture and research-based course format will be utilized. Prerequisite: IND 2321 and ETD 1320C.

IND3413   Space Planning

Fall, Spring   **3.00 Credits - 4.00 Hours**

This course is designed to prepare the interior design student to provide comprehensive

hand-drafting solutions in timed applications. In-class exercises in accessible restrooms, egress, life-safety, building systems, millwork and timed space planning will be incorporated. Students must complete this course with a grade of "C" or higher. Prerequisite or corequisite: IND 2016C.

IND3495   Lighting Design Applications

Fall, Spring   **3.00 Credits - 3.00 Hours**

This advanced study of lighting applications explores both the technical aspects and behavioral factors of lighting design. Special emphasis will be placed on lighting profiles, calculations, evaluation and specification of various lighting sources and fixtures. Emphasis will be placed on emerging technologies and sustainable design solutions. Course content is a combination of lectures and projects. Guest speakers and field trips will be scheduled to enhance class lectures. Students must complete this course with a grade of "C" or higher. Prerequisite ETD1320C. Prerequisite or corequisite: IND 2016C.

IND3643   Advanced Building Codes and Accessibility

Spring   **3.00 Credits - 3.00 Hours**

This advanced building codes course will further investigate the local and national building codes as well as the accessibility code. Students will learn how to navigate the online building codes and apply them to design projects and scenarios. Prerequisite: IND 1935.

IND3930   Advanced Selected Studies in Interior Design

Fall, Spring,   **3.00 Credits - 3.00**
Summer   **Hours**

This advanced course is scheduled for students who wish to explore topics, emerging trends

and/or technologies currently impacting the interior design profession. Coursework is presented in group instruction. Variable content depending upon the specialized topic in which student is enrolled.

IND3950   Advanced Travel Study in Architecture and Interior Design

Offered as Needed   3.00 Credits - 3.00 Hours

A global, multi-cultural experience has become increasingly vital part of the student's education. This advanced study abroad course provides students with opportunities to explore significant international historical and contemporary sites. Students are exposed to the cultural influences of architecture, construction methodologies and interior design. Lectures and coursework are complemented by walking tours lead by experienced faculty and guest professionals. Students must be 18 years of age on or before departure.

IND3953   Advanced Service Learning Project-Comprehensive

Offered as Needed   6.00 Credits - 6.00 Hours

In collaboration with the construction and engineering programs, senior level students will have an opportunity to apply knowledge acquired from his or her coursework to real-world projects. Interdisciplinary teams will be presented with a humanitarian problem to solve that will address community needs such as the health, safety or the environment. Service learning projects will vary and may require international travel as part of the experiential learning experience.

IND3954   Advanced Service Learning Project

Offered as Needed   3.00 Credits - 3.00 Hours

In collaboration with the construction and

engineering programs, students will have an opportunity to apply knowledge acquired from his or her coursework to real-world projects and assume a leadership role in the assigned interdisciplinary teams. Teams will be presented with a humanitarian problem to solve that will address community needs such as the health, safety or the environment. Service learning projects will vary and may require international travel as part of the experiential learning experience.

IND4242C Studio VI

Fall, Spring   3.00 Credits - 4.00 Hours

This course is an advanced capstone studio that takes the student through the steps of the design process in both an individual and team approach. Emphasis will be placed on programming, schematic design and design development through an evidence-based design approach. Lectures will coincide with field trips and design professionals will participate in the critique process. This course must be completed with a grade of "C" or higher. Lab Fee Required. Prerequisite: IND 3245C (completed with a "C" or higher).

IND4274   Design for Diverse Populations

Fall, Summer   3.00 Credits - 3.00 Hours

This course addresses a variety of diverse populations such as aging, special needs or autism to create an inclusive built environment. Cultural diversity will also be discussed and applied to a design project. Universal design, WELL Building Standards and barrier-free design will be incorporated into class lectures and assignments. Students must complete this course with a grade of "C" or higher. Prerequisites: IND 2012C and ETD 1320C.

IND4520   Senior Portfolio for the Interior

Designer

Fall, Spring   **1.00 Credit - 2.00 Hours**

Using the latest digital technologies and software, students will learn essential employability skills in creating a digital portfolio for prospective employers and clients. Topics such as digital photography, importing images and creating a website will be explored. This senior course must be completed with a grade of "C" or higher. Corequisite: IND 4242.

IND4948   **Senior Interior Design Internship**

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

Prior to graduation, students must successfully complete an internship with an approved interior design-related firm. Students must complete a minimum of 200 hours of an on-the-job internship experience. Department consent is required to enroll in this course. Prerequisite: IND 2016C.

IND4949   **Senior Interior Design Internship**

Fall, Spring, Summer   **1.00 Credit - 1.00 Hour**

Prior to graduation, students must successfully complete an internship with an approved interior design-related firm. Students must complete a minimum of 200 hours of an on-the-job internship experience. This course covers 100 hours and may be repeated one time to reach the minimum requirement of 200 hours. Department consent is required to enroll in this course. Prerequisite: IND 2016C.

INP2002   **Introduction to Industrial Psychology**

Spring   **3.00 Credits - 3.00 Hours**

This course applies psychological principles to individual and group functioning in organizational settings. Major topics include employee selection, motivation, job satisfaction, leadership and performance evaluation. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

INR2002   **International Relations**

Fall   **3.00 Credits - 3.00 Hours**

This course is an introduction to major issues and theories of world politics. Topics include state and non-state actors, the nature of power, causes of war and peace, terrorism, international organizations, finance and trade, economic development, globalization, human rights and environmental concerns. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

INR2002H Honors International Relations

Fall   **3.00 Credits - 3.00 Hours**

This course is an introduction to major issues and theories of world politics. Topics include state and non-state actors, the nature of power, causes of war and peace, terrorism, international organizations, finance and trade, economic development, globalization, human rights and environmental concerns. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors program and eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college

developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

INR2930   Selected Studies in International Relations

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed for those students studying specialized topics in the area of international politics.

INR2931   Selected Studies in International Relations

Fall, Spring, Summer   2.00 Credits - 2.00 Hours

This course is designed for those students studying specialized topics in the area of international politics.

INR2932   Selected Studies in International Relations

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course is designed for those students studying specialized topics in the area of international politics.

INR2950   Travel/Study in International Relations

Offered as Needed   3.00 Credits - 3.00 Hours

A travel/study course combining preparation on campus, foreign travel and study abroad in the discipline of international relations. Variable content depending on the program in which the student enrolls and the specific topics to be covered. This course partially satisfies the writing requirement of S.B.E.

6A-10.030. Students must be 18 years of age on or before departure. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

ISC1932   Science Seminar - Research

Fall   1.00 Credit - 1.00 Hour

The purpose of this course is to expose students to some of the different types of research being done in the Central Florida area and the way by which research is presented in a scientific context. Each student will write and present a research paper on an approved science topic. Prerequisite: Acceptance into the Science Diploma program.

ISC1933   Science Seminar - Careers

Spring   1.00 Credit - 1.00 Hour

This course will focus on careers in science. Various scientific professionals from the community will present information about their work followed by a question and answer period. Research into a variety of scientific careers will be required. Prerequisite: Acceptance into the Science Diploma Program.

ISC1937   Science Seminar - Environmental

Summer   1.00 Credit - 1.00 Hour

The purpose of this course is to expose students to the relationship between science and the environment. Students will be required to participate in field trips and/or service projects. Prerequisite: Acceptance into the Science Diploma Program.

ISC2530   Introduction to STEM Research

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

The course is designed to provide students

with a basic understanding of what scientific research is and the principles on which it is based. The student will discover their interests in science, technology, engineering or math and learn how to identify problems to study, develop hypotheses, research questions and specify independent and dependent variables or the importance of research ethics. The student will also be exposed to the broad range of research institutes in Central Florida.

ISC2531   STEM Research

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is intended for STEM (science, math, engineering and computer science) majors of pre-med/dent/vet and health care students. This series of seminars continues the introduction of basic research tools (research log, review of the literature, abstract writing, experimental design, statistical analysis of data and oral/poster presentation communication skills). Completion of the research program affords students the opportunity of summer internships, presentation at conferences, awards, scholarships and enhancement of academic credentials. Prerequisite: ISC 2910

ISC2930   Selected Studies in the Earth Sciences

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest in interdisciplinary earth sciences are presented in group instruction. This course may be taken four times for credit.

ISM3011C Essentials of Management Information Systems

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course covers the management and use of information technology (IT) in organizations with an emphasis on how management information systems impact business operations and decision-making. The impact of management information systems on business strategy and initiatives will be explored within an entrepreneurial, global context. Topics will include ethical and social issues, hardware and software, applications, networking, databases and telecommunications. Prerequisite: CGS 2100C and Prerequisite/corequisite: GEB 3213 (BIM students only).

ISM3113   Information Systems Analysis and Design

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

Course topics include the structured design and development of information systems. Quality control, security and testing will be emphasized in the information systems lifecycle. Prerequisites: COP 1000 (or higher level computer programming course) and CET 1179 and COT 3103 or ISM 3011C.

ISM3424   Business Modeling Using Simulation

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course involves the development of simple high-level models and then progresses to advanced modeling and analysis. Statistical design and analysis of simulations is integrated into the course. Prerequisites: ISM 4431, ISM 4314, MAC 2233 or higher level MAC course and STA 2023 or higher level Statistics course.

ISM4153   Introduction to Enterprise Processing Environments

Fall, Spring, Summer
3.00 Credits – 3.00 Hours

This course is an introduction to Enterprise Resource Planning (ERP) systems emphasizing integrated strategy for management and integration of information among organizations, suppliers and customers. Prerequisite: ISM 3011C, ISM 4314 and FIN 3403.

ISM4212C Database Management Systems

Fall, Spring, Summer
3.00 Credits – 3.00 Hours

This course will introduce students to the basic concepts for designing, using and implementing database systems, including relational models, security design concurrency, integrity design and design recovery issues (i.e., how to recover data, how to recover systems in the proper sequence from a business viewpoint and how to architect a system) and query interfaces. Prerequisite: ISM 3011C.

ISM4221 Business Data Communications

Fall, Spring, Summer
3.00 Credits – 3.00 Hours

The following topics will be covered in this course: fundamentals of data communications, communications media, servers, data center concepts, cloud computing, communications equipment, data transmission, communication protocols, network concepts, wide area and local area networks, communications services, Internet concepts and capabilities and data communications management. Prerequisite: ISM 3011C.

ISM4300 Information Systems Operations Management

Fall, Summer
3.00 Credits – 3.00 Hours

This course covers management processes and procedures for planning, implementation and operation of information systems with an emphasis on operational management. The course stresses the relationship between the strategic and operational planning of information systems. Prerequisites: CNT 4504 and ISM 3113.

ISM4300H Honors Information Systems Operations Management

Fall, Spring
3.00 Credits – 3.00 Hours

This course covers management processes and procedures for planning, implementation and operation of information systems with an emphasis on operational management. The course stresses the relationship between the strategic and operational planning of information systems. Prerequisites: CNT 4504 and ISM 3113 and acceptance into the Honors program.

ISM4314 Project Management

Fall, Spring
3.00 Credits – 3.00 Hours

This course is a study of the project management of information systems from conception to implementation and the eventual transition to operational support. Includes resource and time management techniques, project proposal preparation and evaluation, quality control, testing and operational support planning. Prerequisites (for BIM students only): ISM 3011C and OST 2852C and MAN 3025.

ISM4318 Agile Project Management

Fall, Spring, Summer
3.00 Credits – 3.00 Hours

This course will cover the knowledge of Agile

principles and improve skills with Agile techniques. Students will explore many Agile approaches such as Scrum, Kanban, Lean, Extreme programming (XP) and Test-driven development (TDD). A focus will be given to the Project Management Institutes (PMI) content domains for Agile practitioners certification, known as the PMI Agile Certified Practitioner (PMI-ACP). Prerequisite: ISM 4314.

ISM4420   Knowledge Management: Techniques and Practices

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course reviews the enabling technologies in Knowledge Management (KM) in the context of contemporary technologies and organizational practices. Students will explore diffusion of knowledge management diffusion into the organization by applying the terminology, techniques, and technologies to create real world KM solutions that address complex organizational problems. Prerequisite: ISM 3011C and ISM 4314.

ISM4421   Artificial Intelligence for Business

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course covers the knowledge and skills required to develop and assess the opportunities and limitations of artificial intelligence business solutions. Prerequisites: ISM 3011C, ISM 4314 and ISM BUL 3130.

ISM4431   Business Process Management Systems

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course introduces the latest advances in business process technologies and

management such as business process planning, business process requirements analysis, business process modeling, workflow system design and implementation. The course will emphasize both theoretical issues and hands-on experiences in business process management. Prerequisites: ISM 3011C and MAC 2233 or higher level MAC course.

ISM4541   Data Analytics I

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course exposes students to business applications and data analytics concepts that provide a foundation for data-driven decision making in business and organizational settings. The course will place special emphasis on hands-on labs using contemporary applications to access, explore, prepare, and analyze data in the real world. Prerequisites: STA 2023 and ISM 4314.

ISM4542   Data Analytics II

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course introduces student to data manipulation techniques to access, transform, and summarize data. Students will use contemporary business and data analytics tool to explore data for managerial purposes such as maintaining or improving day-to-day operations. Prerequisite: ISM 4541.

ISM4545   Visual Analytics I

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to provide students with an introduction to data preparation, data discovery, and report creation using Visual Analytics tools. Students will invoke an understanding of data interpretation and its

role in creating business value by obtaining and manipulate data using current software and techniques. Prerequisite: STA 2023 and ISM 4314.

ISM4547   Visual Analytics II

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course provides students with advanced features of visual analytics that include data preparation, exploration, and report creation. Topics covered include data quality, data visualization and exploration, and geographic analysis, forecasting, network analysis, path analysis, text analytics. Students will form an understanding of how to obtain, manipulate and interpret data using current software tools and techniques. Prerequisite: ISM 4545.

ISM4881   Capstone Project

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course is a culminating experience for majors involving a substantive project that demonstrates a synthesis of learning accumulated in the major, including broadly comprehensive knowledge of the discipline and its methodologies. Senior standing required. This capstone course must be completed with a grade of "C" or higher. Prerequisites: BIM-BS program plan and ISM 3424, ISM 4153, ISM 4314.

ISS2102   Social Justice

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

In this course, we will examine how experiences of privilege and oppression are shaped by individual understandings, interpersonal interactions, groups, social constructions, societal structures and

historical forces. Cultural, institutional and organizational contributions to privilege and oppression will be considered. From a standpoint of human rights, we will identify systems of oppression that need to be eradicated. We will address how privilege and oppression are maintained through mechanisms such as marginalization, exploitation, violence and cultural hegemony and will analyze various forms of personal and social action that can address injustice and produce change.

ISS2162   Foundations of Diversity and Inclusion

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course explores multiple dimensions of diversity. Addressing constructed myths about our collective past, it provides a social and historical viewpoint regarding diversity and inclusion in the United States. Utilizing perspectives such as conflict and critical theories, cognition theories, and intersectionality, it will examine the evolution of diversity and inclusion through changes in organizations, social institutions, law and public policy and through the efforts of various human rights movements.

ISS2941   Cooperative Education Internship in Social Science

Offered as Needed   1.00 Credit – 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's

academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

ISS2942   Cooperative Education Internship in Social Science

Offered as Needed   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

JOU1100   Journalism I

Fall, Spring   3.00 Credits - 3.00 Hours

This course provides basic instruction in reporting techniques, news and feature writing, editorial writing, page makeup and layout and other mechanics of newspaper production. Ethics, responsibilities and laws of the press are stressed. This course partially

satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101. Corequisite: JOU 1420L.

JOU1200   Newspaper Editing

Fall, Spring   3.00 Credits - 3.00 Hours

This course focuses on the principles of format and layout design, copy editing, headline writing and print media style. Students will write articles, edit and design a news publication with Journalism I students. Prerequisite: JOU 1100.

JOU1343   Convergent Journalism

Fall, Spring   3.00 Credits - 3.00 Hours

This course focuses on writing and producing across media. Essentially, it teaches students how to tell stories in a more engaging way with converged media - using multiple mediums simultaneously to create a stronger story. The program also focuses on training students to report, produce and disseminate news by using new media platforms, such as tablet apps and social media. Prerequisites: RTV 1201C, RTV 1240. Corequisite: DIG 1105C.

JOU1420L   College Newspaper I Lab

Fall, Spring   1.00 Credit - 3.00 Hours

This course covers the practical application of newsgathering, writing, editing, layout, graphic and photographic skills and journalistic knowledge and judgment in the production of multiple issues of the student newspaper, which also serves as a forum of opinion and a medium of information for the College community. Corequisite: JOU 1100.

JOU1421L   College Newspaper II Lab

Fall, Spring   **1.00 Credit - 3.00 Hours**

This course covers the practical application of newsgathering, writing, editing, layout, graphic and photographic skills and journalistic knowledge and judgment in the production of multiple issues of the student newspaper, which also serves as a forum of opinion and a medium of information for the College community. Prerequisite: JOU 1100.

JOU1440L   College Magazine Lab

Fall, Spring   **1.00 Credit - 3.00 Hours**

Applying the principles of good editing, typography, dynamic layout and design and thematic coherence, the magazine staff presents the prose, poetry, art and photography selected by the editorial board (Creative Writing II class) in an attractive publication for distribution throughout the College.

JOU1441L   College Magazine II Lab

Fall   **1.00 Credit - 3.00 Hours**

Applying the principles of good editing, typography, dynamic layout and design and thematic coherence, the magazine staff presents the prose, poetry, art and photography selected by the editorial board (Creative Writing II class) in an attractive publication for distribution throughout the College. Lab fee required. Prerequisite: JOU 1440L.

JOU1602   Introduction to Photojournalism

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course provides students with a comprehensive understanding of the ethical and practical demands of photojournalism. The course covers the basics of camera operation and photo enhancement software as well as image composition and selection. Students will be responsible for producing a body of work suitable for publication and will be required to complete a variety of assignments by attending various community events. Corequisites: ENC 1101 and JOU 1602L.

JOU1602L   Introduction to Photojournalism Laboratory

Fall, Spring   **1.00 Credit - 1.00 Hour**

This course is the laboratory component of JOU 1602 Introduction to Photojournalism. Lab fee required. Corequisites: ENC 1101 and JOU 1602.

JOU2103   News Reporting

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course focuses on in-depth news reporting and writing for print, web, radio and television. It teaches students the nature of news in a changing media landscape, and it equips them with reporting tools and techniques for effective storytelling while writing for specific media. While focusing on basic stories and specialized reporting, this course also introduces students to media law and ethics as they relate to the rights and responsibilities of a journalist in a democratic society. Prerequisite: JOU 1100. Corequisite: JOU 1420L.

JOU2321   Broadcast Journalism

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course focuses on writing news for radio and television, and it emphasizes how the selection criteria for radio and television news differ from those of print news. It teaches students how to prepare radio and television news copy as well as explains the guidelines for using social media as a source of content in a newsroom. Prerequisites: RTV 1201C, RTV

1240 and DIG 1105C.

JOU2330   Features and Specialized Writing

Fall, Spring   3.00 Credits - 3.00 Hours

This course explores the craft of writing that makes reporting come alive to readers by exploring feature writing techniques and philosophies. Students will learn the basics of feature writing, understand the defining characteristics of various types of specialized writing and learn how to sell freelance stories to media outlets. Prerequisite: JOU 1100. Corequisite: JOU 1420L.

JOU2422L   College Newspaper III Lab

Fall, Spring   1.00 Credit - 3.00 Hours

This course covers the practical application of newsgathering, writing, editing, layout, graphic and photographic skills and journalistic knowledge and judgment in the production of multiple issues of the student newspaper which also serves as a forum of opinion and medium of information for the College community. Prerequisite: JOU 1421L.

JOU2423L   College Newspaper IV Lab

Fall, Spring   1.00 Credit - 3.00 Hours

This course covers the practical application of newsgathering, writing, editing, layout, graphic and photographic skill and journalistic knowledge and judgment in the production of multiple issues of the student newspaper which also serves as a forum of opinion and medium of information for the College community. Prerequisite: JOU 2422L.

JOU2442L   College Magazine III Lab

Fall, Spring   1.00 Credit - 3.00 Hours

Applying the principles of good editing, typography, dynamic layout and design and thematic coherence, the magazine staff presents the prose, poetry, art and photography selected by the editorial board (Creative Writing II class) in an attractive publication for distribution throughout the College. Lab fee required. Prerequisite: JOU 1441L.

JOU2443L   College Magazine IV Lab

Fall, Spring   1.00 Credit - 3.00 Hours

Applying the principles of good editing, typography, dynamic layout and design and thematic coherence, the magazine staff presents the prose, poetry, art and photography selected by the editorial board (Creative Writing II class) in an attractive publication for distribution throughout the College. Lab fee required. Prerequisite: JOU 2442L.

JOU2930   Selected Studies in Journalism

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

JOU2941   Cooperative Education Internship in Journalism

Offered as Needed   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's

academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

JOU2942   Cooperative Education Internship in Journalism

Offered as Needed   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

JOU2949   Cooperative Education Internship in Journalism

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is

required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

LAE3414   Children's Literature

Fall   3.00 Credits - 3.00 Hours

The purpose of this course is to provide preservice teachers with the fundamental concepts and processes for using Children's Literature in the Elementary School. Preservice Teachers gain survey knowledge of Children's Literature and learn how to incorporate literature within the language arts curriculum, including students from diverse populations (ell, culturally diverse and students with exceptionalities). This course includes a study of various literary genres appropriate for use in the classroom. This course will place an emphasis on meaningful teaching and learning.

LAE4314   Teaching Language Arts

Fall   3.00 Credits - 3.00 Hours

Students will learn how to teach language arts using: methods, materials, content, organization for teaching reading, writing, listening, and speaking. Teacher candidate will examine the theoretical and practical aspects of teaching language arts to the elementary student. The course will focus on developmentally appropriate effective

instructional strategies for the elementary learner.

LAH2020   Latin American History

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course will cover the history of Latin America from 1492 to the present, emphasizing the multi-racial origins of Latin American countries, the development of political institutions, the relationship between Latin America and the U.S.A. and the response of modern Latin America to the challenges of democracy and economic development. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101 or ENC 1101H.

LDR3332   Management and Leadership Development

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course introduces the business student to the prominent theories and philosophies affecting management and leadership. Through an interdisciplinary lens, students learn the differences between management and leadership and acquire the skills necessary to develop leadership and management styles. The curriculum provides a strong foundation for adding value to an organization by applying management and leadership theory within a practical setting. Prerequisite or corequisite: GEB 3213 (BIM students only).

LEO0104   Line Supervision

Offered as Needed   2.67 Credits - 80.00 Hours

This is an advanced/specialized training course for law enforcement or corrections officers and a part of the Criminal Justice Standards and Training Commission Advanced Training Program. This 80-hour block of instruction provides an understanding of the critical role a supervisor plays in the success of an organization. The fundamental knowledge, skills, abilities, and attitudes required for successful supervision will be developed and/or enhanced. Students should have successfully completed the basic training course or have been exempted and possess sufficient experience and background to meet the standard core of knowledge. Students successfully completing this course may be eligible for salary incentive or meeting mandatory retraining requirements.

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*   Instructor Techniques LEO0309C

Offered as Needed   2.13 Credits - 64.00 Hours

This is an advanced/specialized training course for law enforcement or corrections officers. The Instructor Techniques Course was organized and developed to enhance the criminal justice officer's knowledge, skills, and ability to provide efficient and effective training to fellow criminal justice personnel in skill or subject areas dictated by local need. Students should have successfully completed the basic recruit training course or have been exempted and possess sufficient experience and background in the area of public or community relations to have mastered the standard core of knowledge. Officers who successfully complete the Florida General Instructor course may apply this course toward satisfying their mandatory retraining requirement per Florida statutes. Enrollment is limited. Contact your training officer to reserve a seat or call Seminole State College at 407.708.2187. For a complete schedule of advanced training classes log onto: www.seminolestate.edu/criminaljustice (under Advanced Training.)

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* LEO0317 Case Presentation and Court Presentation

1.33 Credits - 40.00 Hours

This is an advanced/specialized training course for law enforcement or corrections officers. This course is part of the Criminal Justice Standards and Training Commission's approved Advanced Training Program. It is one in a series of non-sequential general or specialized career skills training courses. Courses in the Advanced Training Program are designed to enhance an officer's knowledge, skills, and abilities for the job he or she performs. This course was designed to acquaint the criminal justice officer with the general concepts and principles of case preparation and court presentation. It will assist the officer in being more prepared when going to court. Students should have successfully completed the basic training course or have been exempted and possess sufficient experience and background to meet the standard core of knowledge. In addition, students should hold a position for which task performance may be enhanced with the completion of this course.

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* LEO0318 Criminal Law

Offered as Needed   1.33 Credits - 40.00 Hours

This is an advanced/specialized training course for law enforcement or corrections officers. This course is a part of the Criminal Justice Standards and Training Commission's approved Advanced Training Program. Criminal Law was designed for the law enforcement and correctional officer to refresh and update his or her basic skills and knowledge in criminal law and to expand into more advanced and specialized areas of criminal law. Students should have successfully completed the basic training course or have been exempted and possess sufficient experience and background to meet the standard core of knowledge. Students successfully completing this course may be eligible for salary incentive or meeting mandatory retraining requirements.

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*   Speed Measurement LEO0323C

Offered as Needed   1.33 Credits - 40.00 Hours

This is an advanced/specialized training course for law enforcement or corrections officers. This course is part of the Criminal Justice Standards and Training Commission's approved Advanced Training Program. It is one in a series of non-sequential general training programs. Courses in the Advanced Training Program, pursuant to Rule 11B-35.006(1), F.A.C., are designed to enhance an officer's knowledge, skills and abilities for the job he or she performs. This course is designed for the law enforcement officer whose duties include speed enforcement to improve the officer's effectiveness in speed enforcement through proper and efficient use of police traffic radar and laser speed measurement devices. Students should have successfully completed the basic training course or have been exempted and possess sufficient experience and background to meet the standard core of knowledge. Officers who successfully complete this course may be eligible for salary incentive payments or may apply this course toward satisfying their mandatory retraining requirements per Florida Statutes. You are required to bring your Department Radar Unit to class.

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*   Traffic Homicide Investigation LEO0325C

Offered as Needed   2.67 Credits - 80.00 Hours

Traffic Homicide Investigation

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* LEO0327 Narcotics and Dangerous Drugs

Offered as Needed   1.33 Credits - 40.00 Hours

This is an advanced/specialized training course for law enforcement or corrections officers. This course is a part of the Criminal

Justice Standards and Training Commission's approved Advanced Training Program. It is one in a series of non-sequential general or specialized career skills training programs. Courses in the Advanced Training Program are designed to enhance an officer's knowledge, skills, and abilities for the job he or she performs. This 40-hour course is designed to introduce the concepts involved in the identification and investigation of narcotics and other controlled substances. It is geared towards Investigators. Students should have successfully completed the basic training course or have been exempted and possess sufficient experience and background to meet the standard core of knowledge. Students successfully completing this course may be eligible for salary incentive or meeting mandatory retraining requirements. Note: this course was updated in 2005. If this course was taken for salary incentive prior to April 2005, officers will not receive additional salary incentive. The course (number 016) remained the same even though the materials were updated.

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* LEO0338 Breath Test Operator

Offered as Needed   .53 Credits - 16.00 Hours

The student will learn the role of a breath test operator as it relates to obtaining and analyzing breath samples during the breath test and obtain and maintain a Breath Test Operator permit.

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* LEO0339 Breath Test Operator Renewal

Offered as Needed   .13 Credits - 4.00 Hours

The student will review the role of a breath test operator as it relates to obtaining and analyzing breath samples during the breath test and how to obtain and maintain a Breath Test Operator permit.

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* LEO0343 Interview and Interrogation

Offered as Needed   1.33 Credits - 40.00 Hours

This is an advanced/specialized training course for law enforcement or corrections officers. This course is part of the Criminal Justice Standards and Training Commission's approved Advanced Training Program. It is one in a series of non-sequential general or specialized career skills training programs. Courses in the Advanced Training Program are designed to enhance an officer's knowledge, skills, and abilities for the job he or she performs. This course was designed for the patrol officer and investigator to review the techniques, methods, principles, and issues of interviews and interrogations. Students should have successfully completed the basic training course or have been exempted and possess sufficient experience and background to meet the standard core of knowledge. Students successfully completing this course may be eligible for salary incentive or meeting mandatory retraining requirements.

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* LEO0349 School Resource Officer Training

Offered as Needed   1.33 Credits - 40.00 Hours

School Resource Officer Training

LEO0353   Middle Management

Offered as Needed   1.33 Credits - 40.00 Hours

The curriculum for this course is set by the Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission.

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* LEO0359 Advanced Report Writing

1.33 Credits - 40.00 Hours

This is an advanced/specialized training course for law enforcement or corrections

officers. This course is part of the Criminal Justice Standards and Training Commission's approved Advanced Training Program. It is one in a series of nonsequential general or specialized career skills training programs. Courses in the Advanced Training Programs are designed to enhance an officer's knowledge, skills, and abilities for the job he or she performs. This course is one of FDLE's advanced courses and is designed for the patrol officer, rookie officers, field service officers, patrol first-line supervisors, and anyone else experiencing report writing difficulties. This course will consist of classroom writing of police narratives as well as focusing on FDLE standards of effective police reporting, grammar skills, and narrative writing. Each student will be required to bring a dictionary, numerous writing pens, and paper to complete their narratives. Students should have successfully completed the Basic LE Training Course or have been exempted and possess sufficient experience and background to meet the standard core of knowledge. Students successfully completing this course may be eligible for salary incentive or meeting mandatory retraining requirements.

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* LEO0424 Police Mountain Bike

1.33 Credits - 40.00 Hours

This is a Florida Department of Law Enforcement Criminal Justice Standards and Training Commission's approved specialized training course. This course was designed to introduce the law enforcement officer, corrections officer, or correctional probation officer to the concepts, legal aspects, techniques, and purposes of police mountain bike operation. This course is physically demanding. The following equipment is required for class: bike, bike shorts, water, helmet, gun belt, shirt with agency insignia, bike gloves, and handgun with ammunition. This is a specialized training course which can be used to satisfy mandatory retraining only; it is not applicable for salary incentive.

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* LEO0426 Parking Enforcement Specialist

Offered as Needed   .53 Credits - 16.00 Hours

The Parking Enforcement Specialist Course is approved by the Criminal Justice Standards and Training Commission and the Florida Department of Law Enforcement as prescribed by s. 316.640, Florida Statutes. This course is for non-sworn persons who are employed by police and sheriff's departments to provide for the development of knowledge and skills required to fulfill the responsibilities and duties of a Parking Enforcement Specialist. Even though successful completion of this course is required to perform the duties of Parking Enforcement Specialist, the Commission does not certify these individuals. This training may be presented at local agencies or at a certified training school. This 40-hour course consists of five major topic areas: legal, traffic, interpersonal, vehicle operations and communications.

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* LEO0429 Breath Test Operator Agency Inspector Refresher

.20 Credits - 6.00 Hours

This is an advanced/specialized training course for law enforcement or correction officers. This 8-hour specialized requalification course will qualify students under FDLE/ATP (11D-8 Rules) to continue conducting agency inspections on evidential breath testing equipment. This class will include in-depth review of inspection procedures, records maintenance, and techniques for testifying in court. Prerequisite: student must hold and have in their possession a valid Florida Agency Inspector permit in order to attend. This is a specialized training course which can be used to satisfy mandatory retraining only. It is not applicable for salary incentive.

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* LEO0430 Breath Test Operator Agency Inspector

Offered as Needed   .80 Credits - 24.00 Hours

This is an advanced/specialized training course for law enforcement or correction officers. During this 24-hour course, the student will learn to identify the instruments and equipment used in conducting an agency inspection. The student will be taught how to follow the procedures listed on FDLE/ATP Form 16 Agency Inspection Procedures and to correctly perform the agency inspection. The student will be able to prepare the instrument, alcohol reference solution(s) and reference sample device(s) (simulators), inspect the instrument and distribute the agency inspection reports to designated agencies. Upon completion of this lesson, the student will be able to review the completed FDLE/ATP Form 13 Breath Test Log, check it for completeness, have omissions corrected and state the requirements for maintaining this document. This is a specialized training course which can be used to satisfy mandatory retraining only. It is not applicable for salary incentive.

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* LEO0438 CMS First Aid Instructor Course

Offered as Needed   1.33 Credits - 40.00 Hours

CMS First Aid Instructor Course

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* LEO0456 CMS Field Training Officer

Offered as Needed   1.33 Credits - 40.00 Hours

This is an advanced/specialized training course for law enforcement or corrections officers. This course is part of the Criminal Justice Standards and Training Commission's approved Advanced Training Program. It is one of a series of non-sequential career skills training programs. Courses in the Advanced Training Program are designed to enhance an

officer's knowledge, skills and abilities for the job he or she performs. The FTO course is designed to introduce the criminal justice officer to all aspects of field training and evaluation programs modeled after the San Jose, California Police Department program established in the 1970s and widely emulated in many Florida criminal justice agencies. Five hours of elective topics have been provided in this course to allow for variations of interest and need. This variable five-hour elective topic block may be used to expand one or more of the existing core topic areas, to add one or more of the suggested commission-approved elective topic areas or to add alternative elective topic areas. The alternative elective topic areas selected should reflect local needs. Students should have successfully completed the basic recruit training course or have been exempted and possess sufficient experience and background to meet the standard core of knowledge. In addition, students should hold a position for which task performance may be enhanced with the completion of this course. Officers successfully completing the Field Training Officer course may be eligible for salary incentive payments or may apply this course toward satisfying their mandatory retraining requirements per Florida Statutes.

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* LEO0462 CMS Vehicle Operations Instructor

Offered as Needed   1.33 Credits - 40.00 Hours

This is an advanced/specialized training course for law enforcement or corrections officers. The Law Enforcement Vehicle Operation Instructor course was organized and developed to enhance the knowledge, skills and abilities of an individual to provide efficient and effective basic recruit driving training to criminal justice personnel. It was based on the premise that the primary objective of the law enforcement basic recruit driver training instructor is to alert students to the responsibilities of safe and efficient vehicle operation both in stressful conditions and during patrol activities. This course is part of

the Criminal Justice Standards and Training Commission's approved Specialized Training Program and is designed to accommodate a maximum of 15 students per class. The size limitation is to ensure that each student has the appropriate amount of time to complete the mini-teaching exercise and practical driving exercises. Students are required to successfully complete all of the following courses prior to attending this course: 1) Instructor Techniques Course or have been exempted based on Rule IIB-20, Florida Administrative Code and 2) General Facilitator's Training Transition Course.

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* LEO0463 CMS Defensive Tactics Instructor

Offered as Needed   2.67 Credits - 80.00 Hours

This is an advanced/specialized training course for law enforcement or corrections officers. The 80-hour Law Enforcement Defensive Tactics Instructor course was organized and developed to enhance the knowledge, skills and abilities of an individual to better prepare prospective officers to control subjects and defend themselves using appropriate defensive tactics in accordance with the Recommended Response to Resistance Matrix. It is based on the premise that the primary objective of the law enforcement basic recruit defensive tactics training instructor is to alert students to the responsibilities of safe and efficient response to resistance. This course is part of the Criminal Justice Standards and Training Commission's approved Specialized Training Program. It is designed to accommodate a maximum of 20 students per class to ensure that each student has the appropriate amount of time to complete the teaching exercise and practical scenarios.

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* LEO0468 CMS Firearms Instructor Course

Offered as Needed   1.47 Credits - 44.00 Hours

This is an advanced/specialized training

course for law enforcement or corrections officers. The law enforcement Firearms Instructor course was organized and developed to enhance the knowledge, skills, and abilities of an individual to provide efficient and effective basic recruit firearms training to criminal justice personnel. This course is part of the Criminal Justice Standards and Training Commission's approved Specialized Training Program. Students are required to successfully complete two of the following courses prior to attending this course: Instructor Techniques course or have been exempted based on Rule IIB-20, Florida Administrative Code, and either the General Facilitator's Training Transition course or the CMS General Instructor Techniques course. To complete LEO 0468 successfully, students must satisfy the following requirements: 1) qualification with one handgun (revolver or semi-automatic pistol) at 80%. Also required is familiarization with one long gun (shotgun or semi-automatic rifle/carbine). Handgun qualification will be during daylight and night time. Long gun familiarization will be during daylight and ambient light. These requirements will be completed prior to beginning the first lesson of this Firearms Instructor course. Students must qualify at that time. 2) a score of at least 80% on the written examination on the cognitive material provided in the curriculum. 3) a high-liability internship documented on form CJSTC-81A, under the supervision of a CMS firearms instructor who has been approved by the training center director.

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* LEO0478 Instructor Refresher Course

Offered as Needed   .27 Credits - 8.00 Hours

This course is part of the Criminal Justice Standards and Training Commission's approved Specialized Training Program. It is one of a series of non-sequential general career skills training courses. Courses in the Specialized Training Program are designed to enhance an officer's knowledge, skills and

abilities for the job he or she performs. The Instructor Techniques Refresher course was organized and developed to provide refresher training for instructors who have allowed their certification to expire or have not taken the Commission's Instructor course within the previous four years. The course provides a refresher of the instructor's knowledge, skills, and ability to provide efficient and effective training to fellow criminal justice personnel in those skill or subject areas dictated by local need.

* LEO0480 Advanced Law Enforcement Vehicle Operations Course

Offered as Needed   .53 Credits - 16.00 Hours

The is an advanced/specialized training course for law enforcement or corrections officers. Courses in the Advanced Training Program are designed to enhance an officer's knowledge, skills and abilities for the job he or she performs. In this 16-hour course, the student will understand the advantages of the Precision Immobilization Technique, preferred and non-preferred locations to conduct a P.I.T., steps to executing a proper P.I.T. and circumstances under which a P.I.T. may and may not be utilized. The student will understand the Seminole County Sheriff's Office policy governing the use of the P.I.T.

* LEO0481 Speed Measurement Instructor

Fall, Spring, Summer   **1.33 Credits - 40.00 Hours**

This specialized instructor course provides the required training an officer must have to apply for an Instructor Certification in Speed Measurement. Students must possess a General Instructor Certification or be eligible for and apply for the General Instructor Certification at the same time as the Speed Measurement Instructor Certification. Students must be currently certified speed measurement operators with three (3) years'

experience.

* LEO0482 Spanish for Criminal Justice Professionals

Offered as Needed   1.33 Credits - 40.00 Hours

This course will provide non-Spanish speaking criminal justice professionals with the basic Spanish language skills needed to communicate criminal justice commands. This course is part of the Florida Criminal Justice Standards and Training Commission's Advanced Training program.

* LEO0483 Defensive Tactics Instructor Update

Offered as Needed   .80 Credits - 24.00 Hours

This course provides an overview of changes made to the Florida Basic Recruit Training Program, High Liability Defensive Tactics and the new Advanced Defensive Tactics course.

* LEO0486 Firearms Instructor Update

Offered as Needed   .80 Credits - 24.00 Hours

This is a specialized instructor training course for law enforcement or corrections. This 24-hour course is part of the Criminal Justice Standards and Training Commissions approved Specialized Instructor Training program. This course will provide an overview of changes made to the Florida Basic Recruit Training (BRT) Program Criminal Justice Firearms Course and the Firearms Instructor Course. Instructors for this course shall have successfully competed this course as a student. Instructors shall also hold an active Criminal Justice Standards and Training Commission General Instructor Certification and a High Liability Instructor Certification for Firearms pursuant to 11B-20.001, 11-B.0014 and 11B-35.001, F.A.C.

* LEO0808 Criminal Justice Selected Topics 8 hours

Offered as Needed .27 Credits - 8.00 Hours

In this course topics of current interest are presented in group instruction for current law enforcement or corrections officers.

LIS2004 Research Strategies for College Students

Fall, Spring, Summer 1.00 Credit - 1.00 Hour

Gain the knowledge, skills and abilities to succeed in college-level research by identifying, evaluating and using diverse information sources from the internet and library databases. This course follows the research process that includes developing topics and thesis statements, creating search strategies and critically evaluating and ethically citing sources. These research and critical thinking skills are crucial for success not only in college but also in the workplace.

LIT2000 Introduction to Literature

Fall, Spring 3.00 Credits - 3.00 Hours

This course is designed to further student understanding of the concepts and applications of analytical and theoretical approaches to literature. Students will employ critical thinking in their interrogation of the texts. This course satisfies the General Education State Core Humanities requirement for degree seeking students. Prerequisite: ENC 1102.

LIT2090 Contemporary Literature

Summer 3.00 Credits - 3.00 Hours

This course will explore trends and influences in literature from World War II to the present. Contemporary literature will be examined as a reflection of the philosophy of modern life and as a reflection of the student's world. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of "C" or higher or permission of instructor.

LIT2090H Honors Contemporary Literature

Fall 3.00 Credits - 3.00 Hours

This course will explore trends and influences in literature from World War II to the present. Contemporary literature will be examined as a reflection of the philosophy of modern life and as a reflection of the student's world. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: ENC 1101 with a grade of "C" or higher and permission of Honors Director.

LIT2120 World Literature II

Fall 3.00 Credits - 3.00 Hours

This course is designed to create an awareness of the ideas, techniques and historical relationships in world literature from the Enlightenment to the present. The Enlightenment, Romanticism, the 19th Century (Realism and Naturalism) and Modernism will be studied. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of "C" or higher or permission of instructor.

LIT2120H Honors World Literature II

Fall 3.00 Credits - 3.00 Hours

This course is designed to create an awareness of the ideas, techniques and historical relationships in world literature from the Enlightenment to the present. The Enlightenment, Romanticism, the 19th Century (Realism and Naturalism) and

Modernism will be studied. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: ENC 1101 with a grade of "C" or higher and permission of the Honors Director.

LIT2930   Selected Studies in Literature

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction. Students with qualifying scores on the CLEP Analyzing and Interpreting Literature exam may receive credit for this course.

LIT2950   Travel Study in Literature

Spring, Summer   3.00 Credits - 3.00 Hours

This is a travel/study course combining preparation on campus, foreign travel and study abroad in the discipline of literature. Variable content depending on the program in which the student enrolls and the specific topics to be covered. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Students must be 18 years of age on or before departure. Permission of instructor or dean is required.

MAC1105   College Algebra

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course is a study of the fundamental topics in advanced algebra with emphasis on applications, the understanding of the function concept and manipulative skills. Major topics include operations on algebraic expressions and complex numbers, solving polynomial equations and inequalities, absolute value equations and inequalities and rational equations and inequalities, applications, functions, exponents and logarithms, graphs of polynomial, exponential

and logarithmic functions and systems of equations and inequalities. The use of graphing calculators will be incorporated throughout the course. This course satisfies the General Education State Core Mathematics requirement for degree seeking students. Prerequisite: MAT 1033 with a grade of "C" or higher or sufficient score on placement test.

MAC1114   Trigonometry

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course is a calculus preparatory course in trigonometry with emphasis upon functions. The topics include angular measure, right triangle and unit circle trigonometry, trigonometric (circular) and inverse trigonometric functions and their graphs, trigonometric identities, conditional trigonometric equations, solution of right and oblique triangles, vectors, complex numbers in trigonometric form, applications, polar coordinates and graphs and parametric equations and graphs. The use of graphing calculators will be incorporated throughout the course. Prerequisite: MAC 1105 or MAC 1140 with a grade of "C" or higher or sufficient score on placement test.

MAC1140   Precalculus Algebra

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This is a course in precalculus algebra intended for the student who is planning to take trigonometry and the calculus sequence. Major topics include rational and other algebraic functions and their graphs, piecewise-defined functions, a review of exponential and logarithmic functions, conic sections, matrices and determinants, sequences and series, Mathematical Induction, the Binomial Theorem and applications. The use of graphing calculators will be incorporated throughout the course. This

course may be taken concurrently with MAC 1114, Trigonometry. Prerequisite: MAC 1105 or MAC 1114 with a grade of "C" or higher or sufficient score on placement test.

MAC1147   Precalculus Algebra/Trigonometry

Fall, Spring, Summer   **5.00 Credits - 5.00 Hours**

This is a course in precalculus algebra and trigonometry intended for the student who is planning to take the calculus sequence. This course condenses into a five-credit hour format all topics of Precalculus Algebra (MAC 1140) and Trigonometry (MAC 1114). Algebra topics include the following: polynomial, rational and other algebraic functions and their graphs, piecewise-defined functions, a review of exponential and logarithmic functions, conic sections, matrices and determinants, sequences and series, Mathematical Induction, the Binomial Theorem and applications. Trigonometry topics include angular measure, right triangle and unit circle trigonometry, trigonometric (circular) and inverse trigonometric functions and their graphs, trigonometric identities, conditional trigonometric equations, solution of right and oblique triangles, vectors, complex numbers in trigonometric form, applications, polar coordinates and graphs and parametric equations and graphs. The use of graphing calculators will be incorporated throughout the course. Successful completion of a high school course containing trigonometric topics and/or concepts is recommended. Prerequisite: MAC 1105 with a grade of "B" or higher or sufficient score on placement test.

MAC1931   Selected Studies in Mathematics

Offered as Needed   **1.00 Credit - 1.00 Hour**

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of the study (learning contract) to the faculty member who is to direct the work. Approval from the dean is required prior to registration. This course must be completed with a grade of "C" or higher.

MAC2233   Concepts of Calculus

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is a study of Differential and Integral Calculus of algebraic, exponential and logarithmic functions with applications to business analysis. It is designed to provide the student of business and social sciences a course in applied calculus. This course is not intended for the student who is required to complete the calculus series. Prerequisite: MAC 1105 or MAC 1114 or MAC 1140 or MAC 1147 or MAC 2311 with a grade of "C" or higher or sufficient score on placement test.

MAC2311   Analytic Geometry and Calculus I

Fall, Spring, Summer   **5.00 Credits - 5.00 Hours**

This is a first course in analytic geometry and the theory and application of calculus. Selected topics include a review of functions, limits and continuity, the derivative, differentiation of algebraic and transcendental functions and their inverses, the Mean Value and Intermediate Value Theorems, extrema and graph sketching, area and the definite integral, anti-differentiation and the Fundamental Theorem of Calculus and integration of transcendental functions and their inverses. A graphing calculator will be used throughout the course. Students should ask the instructor which calculator will be used. This course satisfies the General Education State Core Mathematics requirement for degree seeking students. Prerequisites: MAC 1114 and MAC 1140 or MAC 1147 with a grade of "C" or higher or sufficient score on placement test.

MAC2311H Honors Analytical Geometry and Calculus I

Fall, Spring, Summer   **5.00 Credits - 5.00 Hours**

This is a first course in analytic geometry and the theory and application of calculus. Selected topics include a review of functions, limits and continuity, the derivative, differentiation of algebraic and transcendental functions and their inverses, the Mean Value and Intermediate Value Theorems, extrema and graph sketching, area and the definite integral, anti-differentiation and the Fundamental Theorem of Calculus and integration of transcendental functions and their inverses. The graphing calculator will be used throughout the course. This course satisfies the General Education State Core Mathematics requirement for degree seeking students. Prerequisites: Acceptance into Honors program and MAC 1114 and MAC 1140 or MAC 1147 with a grade of "C" or higher or sufficient score on placement test.

MAC2312   Analytic Geometry and Calculus II

Fall, Spring, Summer   **5.00 Credits - 5.00 Hours**

This course is a continuation of MAC 2311. Selected topics include conics, translation and rotation of axes, techniques of integration, arc length and other applications of the definite integral, polar coordinates, indeterminate forms and improper integrals, infinite sequences and series and Taylor's Formula. A graphing calculator will be used throughout the course. Students should ask the instructor which calculator will be used. Prerequisite: MAC 2311 with a grade of "C" or higher.

MAC2313   Analytic Geometry and Calculus III

Fall, Spring,   **4.00 Credits - 4.00**

Summer   **Hours**

This course is a continuation of MAC 2312. Selected topics include parametric equations, vectors in the plane and 3-space, directional derivatives and curvature, quadric surfaces, cylindrical and spherical coordinates, differential calculus of functions of two and three variables and multiple integration. A graphing calculator and a computer algebra system will be used throughout the course. Students should ask the instructor which calculator will be used. Prerequisite: MAC 2312 with a grade of "C" or higher.

MAE3310   Teaching Mathematics I

Fall   **3.00 Credits - 3.00 Hours**

An in-depth review of content knowledge is required to effectively teach mathematics grades K-6. This course provides a meaningful approach to learning the Florida Mathematics Standards (K-6) while emphasizing the math competencies needed for successfully passing the Florida Teacher Certification Exam. Corequisite: EDG 3622.

MAE4311   Teaching Mathematics II

Fall   **3.00 Credits - 3.00 Hours**

This course is designed to provide opportunities for pre-service teachers to explore instructional strategies, learning activities, the use of manipulatives, lesson planning, the evaluation of mathematical learning, and diagnostic techniques in the K-6 classroom. This course requires a field experience. Prerequisites: EDG 3622 and MAE 3310.

MAN2021   Introduction to Management

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course emphasizes the study of the four fundamental functions of management: planning, leading, organizing and controlling and their application to business decision-making. Connections will be made between the planning process and the controlling function to evaluate organizational performance. The course also studies theoretical principles of management, communication concepts, human resource management, organizational structures as well as motivational theory. Principles will be applied to entrepreneurial, corporate and international organizations.

MAN2043 Quality Management

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

Overview of the history and current practices related to the quality movement. Students will study contributions of quality experts such as Deming, Juran and Crosby and will be introduced to the concepts of team management, group processes and problem-solving skills. Various measurement tools for process improvement and control will be examined.

MAN2060 Sustainable Business

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course will focus on management of sustainability in enterprises using a problem-based learning approach. A foundation of knowledge in sustainable business practices in a variety of industry settings will be developed.

MAN2300 Human Resources Management

Fall, Spring   **3.00 Credits - 3.00 Hours**

The purpose of this course is to explore the theories and practices relating to the management of human resources (HR). The role of the human resources department will be discussed regarding its role in the corporate organization as well as meeting personnel corporate goals and objectives. The course will also explore HR's relationship with functional departments, departmental supervisors, as well as middle and executive management. The principles of job analysis, job description, job skills, recruitment and selection techniques, motivation and performance evaluation will be explored in depth.

MAN2500 Operations Management

Fall   **3.00 Credits - 3.00 Hours**

This course introduces students to operations management techniques including their application to functional areas of the business enterprise. Topics include the design and management of production operations including productivity, strategy, capacity planning, location, layout, resource management, just-in-time systems, materials requirement planning and project management. Upon completion, students should be able to demonstrate the ability to make decisions and resolve problems in an operations management environment and demonstrate an understanding of the role of operations management in the supply chain.

MAN2604 Global Management

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course involves a comparative study of global management practices. This course also addresses the questions of how and when to be sensitive to cultural issues and to develop the skills needed to effectively manage in diverse global environments.

MAN2930 Selected Studies in Business Management

Fall, Spring   **3.00 Credits - 3.00 Hours**

In this course topics of current interest are presented in group instruction.

MAN2931   **Selected Studies in Management**

Fall, Spring, Summer   **1.00 Credit - 1.00 Hour**

This course explores topics relevant in today's management discipline. Course material is delivered in an individual setting and often will include a research paper/project based on a current management topic.

MAN2941   **Internship in Business**

Fall, Spring, Summer   **1.00 Credit - 1.00 Hour**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

MAN2942   **Internship in Business**

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course is designed to provide students the

opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

MAN2949   **Internship in Business**

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

MAN3025 Management of Organizations

Fall, Spring, Summer　　　**3.00 Credits - 3.00 Hours**

This course covers the introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Prerequisite or corequisite: GEB 3213 (BIM students only).

MAN3240 Organizational Management

Fall, Spring, Summer　　　**3.00 Credits - 3.00 Hours**

This course provides students with an understanding of how individual and group behavior impacts the culture and productivity of organizations. This course covers the study of how the individual's personality, decision-making and motivation impact the organization. The course also covers the how group composition and leadership, as well as how the internal design, structure, power and politics impact the organization. Prerequisites: MAN 3025.

MAN3320 Management of Strategic Human Resources

Fall, Spring, Summer　　　**3.00 Credits - 3.00 Hours**

This course covers a complete and comprehensive review of human resource management concepts. Prerequisite or corequisite (BIM students only): GEB 3213 and MAN 3025.

MAN3781 Sustainable Business Strategies

Fall, Spring, Summer　　　**3.00 Credits - 3.00 Hours**

This course is intended to provide an overview of concepts, tools and techniques necessary to build and operate a sustainable organization. Topics covered include the role of leadership in sustainability, organizational design issues, capital investment, costing and risk management systems, incentives and rewards, measurement of social, environmental and economic impacts, green marketing concepts and internal and external reporting. Prerequisite or corequisite (BIM students only): ISM 3011C and MAN 3025.

MAN4330 Compensation Management

Fall, Spring, Summer　　　**3.00 Credits - 3.00 Hours**

This course teaches students about the strategic use of compensation and benefits systems for the purposes of attracting, retaining and motivating a competitive workforce. The course also covers job analysis, job description and job evaluation on the basis of compensable factors as well as designing an equitable pay structure. In addition, students analyze the influence of unions and government in determining the compensation of the labor force, including compensation of both hourly workers and managerial employees. Prerequisites: MAN 3025 and MAN 3320.

MAN4335 Employee Benefit Planning

Fall, Spring, Summer　　　**3.00 Credits - 3.00 Hours**

This course is an in-depth study of wage and nonwage related benefits made available to employees by the firm and various related social and governmental programs. Topics include retired health care benefits, life insurance, disability insurance and employer-sponsored health insurance programs. Prerequisites: MAN 3025 and MAN 3320.

MAN4352 Effective Employee Training

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course focuses on professional development activities as performed by human resources specialists or organizational specialists. Theory, issues, practice and problems are discussed. Topics include talent and performance of management to ensure that the knowledge and skills, abilities and performance of the workforce meet current and future organizational and individual needs. Prerequisites: MAN 3025 and MAN 3320.

MAN4402 Employment Law and Regulations

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course analyzes the federal and state regulation of the employment relationship, including wage and hour laws, EEO and affirmative action programs. Students will address human resource issues such as employee benefits, insurance, workers compensation, safety, health, employees' personal rights and collective bargaining legislation. Prerequisites: MAN 3025 and BUL 3130.

MAN4504 Operational Decision Making

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course focuses on the application of management systems, project management and quantitative principles and techniques for the effective planning and utilization of resources within an organization. Emphasis is placed on managerial decision-making for the improvement of operational processes and productivity. Prerequisite: STA 2023.

MAN4597 Global Supply Chain Management

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This course presents an overview of the management of sourcing, operations and distribution processes along a supply chain in domestic and international markets. Students will learn how firms gain a competitive advantage through supply chain activities. Topics include supply chain network design, purchasing, forecasting, inventory management, globalization and outsourcing, logistics and information technology. Prerequisites or corequisites: ISM 3011C and MAN 3025 for Business Information Management students only. No preqs/coreqs for Management and Organizational Leadership students.

MAN4600 International Business and Management

Fall, Spring   **3.00 Credits – 3.00 Hours**

This course covers issues involved in the multinational management of business firms with an emphasis on comparative management. Prerequisite: GEB 3213 for Business Information Management students only. No preqs/coreqs for Management and Organizational Leadership students.

MAP2302 Elementary Differential Equations

Fall, Spring, Summer   **3.00 Credits – 3.00 Hours**

This is a first course in ordinary differential equations with applications, including boundary value problems, methods of solution of first order differential equations and the solution of higher order linear equations by methods which may include undetermined coefficients, operators, variation of parameters, Laplace transforms and series

solutions. A graphing calculator and a computer algebra system will be used throughout the course. Students should ask the instructor which calculator will be used. Prerequisite: MAC 2312 with a grade of "C" or higher.

MAR1720   Social Media Research and Strategy

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course emphasizes researching current social media techniques and their application to the business marketing environment. Current social media advertising platforms will be examined and reviewed. Techniques and insights for extracting business value out of social media will be examined. Review of data analytics including ROI will be applied to social media tools. Prerequisite: DIG 1105C for MARSOC-AS students only.

MAR2011   Marketing

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This is an introductory course in marketing, emphasizing the four elements of the Marketing Mix: Product, Price, Place and Promotion. The course focuses on the marketing concept, role of strategic planning and development of marketing strategies. In addition, the concepts of market segmentation, demographics and selection of a target market will be studied. Importance of market research, consumer and industrial buying habits and the differences between consumer and industrial goods are also explored. Concepts behind product development and product acceptance are reviewed in the context of pricing and promotional techniques throughout the product life cycle. Importance of branding is evaluated. The concept of an integrated marketing campaign is explored within the context of the promotional mix - advertising, direct selling, sales promotion and public relations. Online marketing is explored utilizing the Internet.

MAR2141   Global Marketing

Spring   **3.00 Credits - 3.00 Hours**

This is an advanced course emphasizing the application of fundamental marketing principles to a global marketplace. The global marketplace consists of over two hundred countries and an even greater number of languages and cultures worldwide. The course focuses on the role of strategic planning and the development of marketing strategies for this international marketplace. Strategies for opening up new markets will be explored - pure exporting, use of local distributors, global manufacturing and wholly owned subsidiaries. Basic concepts of demographics, market segmentation and selection of target markets will be applied to this complex worldwide stage. The course will explore the differences in international consumer and industrial buying habits as well as the impact of language, culture and religion on local promotional campaigns. The complexity of product development, product naming and pricing will be explored on a country-by-country basis. This course will also explore the complexities of developing worldwide distribution systems as they are affected by differing local laws, taxation and regulations.

MAR2723   Social Media Implementation

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course emphasizes the development and implementation of a marketing strategy with emphasis on social media applications. Content will be developed for specific social media platforms. Topics covered will include development of an e-Marketing plan, market segmentation and targeting strategies, customer relationship management techniques, and the differentiation of owned

and paid media. Prerequisite: MAR 1720.

MAR2760   Entrepreneurial Marketing and Professional Selling

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course will provide essential insight for successfully marketing an entrepreneurial venture using innovative marketing strategies. This course is designed to provide entrepreneurs with practical applications in interactive technologies and web-based services. Students will gain experience in the use of marketing via the Internet and social media. The student will be introduced to the role that direct selling and direct marketing play in the entrepreneurial environment. Students will develop a marketing project to assist in launching and implementing the new marketing venture. Prerequisite: GEB 1011.

MAR3023   Principles of Marketing

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This is an advanced course covering the essential knowledge required to ensure the success of a business as it launches and maintains product presence in the market place. We will also discuss the impact of marketing on businesses revenue, the relationship of marketing to other organizational functions and the development of marketing strategies for both the domestic and international marketplace. The course also focuses on the role that the Internet and direct marketing have on corporate marketing strategies. Prerequisite or corequisite: GEB 3213 for Business Information Management students only. No prerequisites or corequisites for Management and Organizational Leadership students.

MAR3415   Professional Selling and Negotiation

Fall, Spring   **3.00 Credits - 3.00 Hours**

This advanced course covers the methodologies employed in a successful selling process. Course will include applications of selling techniques, understanding buying behavior and the employment of negotiating skills in the selling cycle. The essential sales theories and principles are developed and practiced through student involvement in sales presentations. Prerequisites or corequisite (BIM students only): GEB 3213 and MAN 3025.

MAR3721   Digital Media Marketing

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course involves the application of contemporary digital media technologies to marketing strategy development and decision-making. Prerequisite (BIM students only): MAR 3023 and ISM 3011C.

MAR4233   Social Media Marketing

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course introduces students to social media and e-marking functions and strategies that are essential to consumer involvement, community engagement and customer relationship management. Prerequisite (BIM students only): MAR 3023 and ISM 3011C.

MAR4503   Consumer Behavior

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

A study of essentials underlying consumer decisions and relating such understanding to

issues in product development/positioning, pricing, advertising, segmentation and other marketing variables. Prerequisite: MAR 3023 or MAR 3023H.

MAR4674 Marketing Analytics

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

A study of the metrics and systems needed to receive a return on every sales and marketing investment made. The course focuses on tools and approaches to gauge the impact of marketing expenditures. Prerequisites (BIM students only): MAR 3023 and ISM 3011C.

MAR4860 Customer Relationship Management

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

Customer Relationship Management (CRM) is becoming an important strategic tool in consumer goods, firms, financial, health and tourist services, business-to-business firms and in all of eMarketing. Prerequisites (BIM students only): MAR 3023 and ISM 3011C.

MAS2103 Linear Algebra

Summer   **3.00 Credits - 3.00 Hours**

This is a survey course of introductory linear algebra. Fundamental concepts of linear algebra and matrix theory are introduced. Topics in the course include vectors, matrices, determinants, linear transformations, system of linear equations, eigenvalues, eigenvectors and their applications. Prerequisite: MAC 2311 with a grade of "C" or higher.

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*   Developmental Mathematics I MAT0018C

Fall, Spring,   **4.00 Credits - 4.00**
Summer   **Hours**

This course includes whole numbers, integers, fractions, decimals, decimals and percents, geometry and pre-algebra. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: Sufficient score on placement test.

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*   Developmental Mathematics MAT0022 Combined

Fall, Spring,   **4.00 Credits - 4.00**
Summer   **Hours**

This course includes a combination of competencies from Developmental Mathematics I and II. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: Sufficient score on placement test.

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*   Developmental Mathematics II MAT0028C

Fall, Spring,   **4.00 Credits - 4.00**
Summer   **Hours**

This course includes exponents and polynomials, factoring, radicals, rationals, linear equations and graphing. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: MAT 0018C with a grade of "C" or higher or sufficient score on placement test.

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*   Developmental Mathematics MAT0055 Module

Fall, Spring, Summer   **1.00 Credit - 1.00 Hour**

The course uses an adaptive learning program in which students complete an initial assessment. Based on this assessment, students complete modularized assignments designed to strengthen specific deficiencies by working on the topics and objectives they need to master the material and achieve college

readiness. Course credit is not applicable toward the A.A. or A.S. degrees. This course prepares students for MAT 1033 Intermediate Algebra and MAT 1100 Mathematical Understanding and Applications. Prerequisite: Sufficient score on placement test or grade of "S" in MAT 0057 with department consent.

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*   Pre-College Mathematics MAT0057

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course provides specialized instruction in developmental mathematics concepts to prepare students for Intermediate Algebra (MAT 1033). Topic modules include operations with whole numbers and integers, simplifying algebraic expressions, computations with fractions, mixed numbers, decimals, ratio, proportion and percent, plane geometric figures and applications, solving linear equations and inequalities, graphing linear equations, operations with exponents and polynomial expressions, introduction to rational expressions and radicals. Successful completion of this course requires mastery of the material in each module and a passing score on the department final exam. This course may be repeated for up to nine credits. Course credit is not applicable toward the A.A. or A.S. degrees. This course prepares students for MAT 1033 Intermediate Algebra and MAT 1100 Mathematical Understanding and Applications. Prerequisite: Sufficient score on placement test or MAT 0018C or MAT 0028C with grades of "C" or higher or equivalent.

MAT1033   Intermediate Algebra

Fall, Spring, Summer	4.00 Credits - 4.00 Hours

This is an intermediate course in formal algebra for students without a strong background in algebra. Topics include sets, the real number system and number properties,

absolute value, products and factoring, algebraic fractions, linear and quadratic equations and inequalities with applications, systems of equations, radicals, rational exponents, graphs and relations and functions (four elective credits). Prerequisite: MAT 0022 or MAT 0057 or equivalent with a grade of "C" or higher OR sufficient score on placement test.

MAT1100   Mathematical Understanding and Applications

Fall, Spring, Summer	3.00 Credits - 3.00 Hours

This course is designed to be a foundation for students preparing to take MGF 1106, MGF 1107 or STA 2023. A strong emphasis will be placed on the application of linear equations and inequalities, systems of linear equations and quadratic equations. Topics also include real numbers and their properties, products and factoring, graphs and functions, counting methods, descriptive statistics as well as an introduction to probability and financial mathematics. Students who already have credit for MAT 1033 Intermediate Algebra do not need to take this course. Prerequisite: MAT 0022 or MAT 0057 or equivalent with a grade of "C" or higher OR sufficient score on placement test.

MCB2010C Microbiology

Fall, Spring, Summer	4.00 Credits - 7.00 Hours

This fundamental course in Microbiology is designed to fulfill the needs of nursing students as well as other allied health majors. The course stresses the structure, nutrition, growth, control, metabolism and introductory genetics of bacteria. An introduction to fungi, parasites and viruses is included. Laboratory experience in techniques and primary isolation will be provided. Lab fee required. Prerequisite: BSC 2010C with a grade of "C" or higher or

permission of dean.

MCB2903   Directed Studies in Microbiology

Offered as Needed   3.00 Credits - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean is required prior to registration.

MCB2905   Directed Studies in Microbiology

Offered as Needed   4.00 Credits - 4.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean is required prior to registration.

MCB2931   Selected Studies in Microbiology

Offered as Needed   1.00 Credit - 1.00 Hour

In this course topics of current interest are presented in group instruction.

MCB2934C Selected Studies in Microbiology

Offered as Needed   4.00 Credits - 7.00 Hours

In this course topics of current interest are presented in group instruction. This course may be taken two times for credit.
Prerequisite: MCB 2010C with a grade of "C" or higher.

MET1010   Introduction to Meteorology

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This beginning course is designed to acquaint students with the elementary characteristics of the atmosphere. Students with an interest in aviation would especially benefit from many units taught in the course. Units include a study of atmospheric structure, heat budget, winds, air pollution, local and regional weather forecasting and more. Weather products are downloaded from the Internet and used throughout the course. Optional field trips included.

**MET1010C Introduction to Meteorology with
            Lab**

Spring   4.00 Credits - 5.00 Hours

This beginning course is designed to acquaint students with the elementary characteristics of the atmosphere. Students with an interest in aviation would especially benefit from many units taught in the course. Units include a study of atmospheric structure, heat budget, winds, air pollution, local and regional weather forecasting and more. Weather products are downloaded from the Internet and used throughout the course. Laboratory work will focus on the extracting of information from online weather resources and the use of other weather-related tools. Optional field trips included. Lab fee required.

MET1104   Introduction to Climate Studies

Offered as Needed   3.00 Credits - 3.00 Hours

This course explores the scientific principles that govern the Earth's climate, climate change and variability and its implications for society. It will also examine the relationship between climate and human activities. Topics include global warming, sea-level changes, past climates, types of climate, climate policy and more.

MGF1106   College Mathematics

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

The following topics will be covered in this course: sets and Venn diagrams, logic, inductive and deductive reasoning, counting principles, permutations and combinations, probability, descriptive statistics and geometry. This course satisfies the General Education State Core Mathematics requirement for degree seeking students. It is recommended that students without college-level math credits have completed a secondary-level course in Geometry, Algebra 2, Precalculus, Calculus, or Math for College Liberal Arts with a grade of 'B' or higher before taking this course. Prerequisite: MAT 0022 or MAT 0057 or MAT 1033 or MAT 1100 or equivalent with a grade of "C" or higher OR sufficient score on placement test.

MGF1107   Liberal Arts Mathematics

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course provides an opportunity for students to see mathematics used in ways not seen in traditional mathematics courses. Topics are selected from the following: financial mathematics, numbers and number systems, elementary number theory and graph theory. Additional topics may be included at the discretion of the instructor. History of mathematics, critical thinking skills, problem-solving techniques and the appropriate use of technology will be used throughout the course. This course satisfies the General Education State Core Mathematics requirement for degree seeking students. It is recommended that students without college-level math credits have completed a secondary-level course in Geometry, Algebra 2, Precalculus, Calculus, or Math for College Liberal Arts with a grade of 'B' or higher before taking this course. Prerequisite: MAT 0022 or MAT 0057 or MAT 1033 or MAT 1100 or equivalent with a grade of "C" or higher OR sufficient score on placement test.

MKA2021   Principles of Selling

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is a study and analysis of the role of sales in today's economy. Emphasis is on sales techniques and applications of sales principles. Sales management and operation are also studied in the course.

MKA2511   Advertising and Sales Promotion

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course explores all phases of advertising, including all electronic and print media and direct marketing as well as sales promotion. Emphasis is placed on creation of the message, selection of media and the planning, coordination and evaluation of the Integrated Marketing Communications (IMC) campaign. This includes common communication look and feel and outlines how campaigns are measured to achieve company return on investment goals.

MMC1000   Survey of Mass Media

Offered as Needed   **3.00 Credits - 3.00 Hours**

This is an introductory course dealing with the history and role in society of the mass media. Emphasis is on press, magazines, television and radio and on the functions of advertising and public relations. Career opportunities in the various media are covered.

MNA1032   Principles of Project Management

Offered as Needed   **3.00 Credits - 3.00 Hours**

This course provides an overview of the theory and practice of managing any project in any organization. The fundamental building blocks of project management are addressed, including project planning, organizing, team building and effective control mechanisms. Students will be introduced to entrepreneurship and its role in corporate projects. Students gain a solid understanding and foundation to successfully manage each phase of the project life cycle, work within organizational and cost constraints, set goals lined directly to stakeholder needs and utilize proven management tools to complete the project on time and within budget. Students apply the essential concepts, processes and techniques that are used in the management of large scale governmental or commercial programs. The key management aspects and proven techniques that differentiate project management from other types of management are fully addressed.

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**MNA1033   Organizational Behavior for
　　　　　　Project Teams**

Offered as Needed   3.00 Credits - 3.00 Hours

Managing the human elements of project management is as challenging as mastering the technical aspects. Innovative approaches are employed to successfully motivate, communicate, negotiate and resolve conflicts among the team members and stakeholders. In this course, students develop an understanding of the individual, the group and the project team. Proven techniques to make conflict a constructive rather than a destructive experience are discovered. Students develop effective communication, negotiation and conflict resolution skills to successfully lead both domestic and global projects.

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MNA1034   Making Project Decisions

Offered as Needed   3.00 Credits - 3.00 Hours

Making business and entrepreneurial decisions requires leadership and an in-depth knowledge of finance and engineering economics. This comprehensive course is divided into three parts. Part I is the study of financial concepts and introduces record keeping, financial statements and the accounting equation. Part II is the financial analysis and time value of money and focuses on the traditional approaches of interest calculations, applications of time value of money and project analysis and justification. Part III is financial decision-making and looks at the decision-making tools that complement time value of money analysis like breakeven, ROI, IRR and NVP of cash flows. Prerequisite: MNA 1032.

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MNA1035   Introduction to Project Planning

Offered as Needed   3.00 Credits - 3.00 Hours

The focus of this course is to use the tools and techniques of project planning, scheduling and allocating resources. Students design work breakdown structures, identify work packages, allocate resources and develop project schedules using standard networking techniques. Students are introduced to techniques for estimating, forecasting, budget monitoring, controlling and reporting project costs. Students apply modern project management concepts and tools to real world projects through the use of carefully selected case studies and project simulations. Students will use project management software for creating schedules. Prerequisite: MNA 1032.

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MNA1036   Project Quality and Risk

Offered as Needed   3.00 Credits - 3.00 Hours

Risk management is the systematic process of identifying, analyzing, evaluating and controlling project risks. An in-depth introduction to the analysis of risk management methodologies from both the strategic and tactical aspects will be addressed.

Students will be introduced to both qualitative and quantitative risk analyses, including strategies for proactive risk aversion and reactive risk response. Students learn how a comprehensive risk management approach can enable a project team to proactively manage issues that adversely impact the successful control and completion of a project. Prerequisite: MNA 1032.

MNA2216   Inventory Management

Summer   **3.00 Credits - 3.00 Hours**

This course presents an analysis of inventory control problems and methods. Topics include demand forecasting, independent demand inventory systems, inventory models and aggregate planning. Inventory management will be presented within the context of sustainable, efficient and effective supply chain management.

MNA2320   Human Resources Recruitment and Staffing

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course examines how the functions of recruitment, selection, staffing and training fit into a human resources department. Students will practice analyzing positions, recruiting qualified applicants, interviewing candidates for employment and, once hired, orienting and training them.

MNA2325   Human Resources Compensation and Benefits Administration

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course discusses various compensation and benefit plans, legal issues and the administration of compensation and benefit plans. Emphasis is on providing a basic understanding of the business concepts utilized in the compensation and benefits area.

MNA2403   Introduction to Human Resources Management Law and Regulations

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is a study of human resources management law and regulations. Topics include state and federal employment regulation, Civil Rights Acts, EEOC legislation, OSHA, Rights of Women and Elderly and Handicapped as they apply to human resources functions.

MSL1001C Foundations of Officership

Fall, Spring   **2.00 Credits - 3.00 Hours**

This course examines the unique duties and responsibilities of officers, the organization and role of the Army, reviews skills pertaining to fitness and communication and analyzes Army values and expected ethical behavior. Two-hour lab per week required.

MSL1002C Basic Leadership

Fall, Spring   **2.00 Credits - 4.00 Hours**

This course presents fundamental leadership concepts and doctrine, practices basic skills that underlie effective problem-solving and examines the officer experience. Two-hour lab per week required.

MSL2101C Individual Leadership Studies

Fall, Spring   **2.00 Credits - 3.00 Hours**

This course develops knowledge of self, self-confidence and individual leadership skills, develops problem-solving and critical thinking skills and applies communication, feedback and conflict resolution skills. Two-hour lab per week required.

MSL2102C Leadership and Teamwork

Fall, Spring   2.00 Credits – 4.00 Hours

This course focuses on self-development guided by knowledge of self and group processes and challenges current beliefs, knowledge and skills. Two-hour lab per week required.

MTB1329   Applied Mathematical Concepts for Engineering Technology

**Fall, Spring,   3.00 Credits – 3.00
Summer   Hours**

This course involves the practical uses of applied mathematics in the areas of engineering technology, design and construction. Trigonometric functions are covered as well as law of sines, law of cosines and basic vector mechanics.

MUE2010   Music and Movement

Spring, Summer   3.00 Credits – 3.00 Hours

This course presents developmentally appropriate music and movement experiences for young children. Students will be involved in singing, creating, listening to and learning about making music and encouraging children to move to music. Students will develop an understanding of the importance music plays in the early childhood curriculum and how to incorporate it into the daily routine to accomplish a variety of curriculum goals.

MUH2022 History of Rock Music

**Fall, Spring,   3.00 Credits – 3.00
Summer   Hours**

This course traces the historical origins, characteristics and stylistic developments of rock music from a musical and sociological perspective. This course is not recommended for music majors. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

MUH2026 Introduction to Blues and Jazz

**Fall, Spring,   3.00 Credits – 3.00
Summer   Hours**

This course is designed to introduce the student to primary forms and genres of blues and jazz music in both their historical and cultural context. Blues and jazz will be explored methodically as a distinctly American contribution to world music. The course will feature lecture and performance presentations by some of Florida's better known musicians and commentators. Literary and visual images of blues and jazz idioms will be incorporated into the course content. Assigned readings with active listening are an integral part of the course. The student will be introduced to Internet resources on the subject of blues and jazz themes. Students will be required to compose a journal with reactionary criticisms of blues and jazz guests and must complete a project that presents biographical and musical materials about a selected blues or jazz musician. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This course fulfills the Area B Humanities requirement. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

MUH3930 Selected Topics in Music History: Baroque to Romantic Period

Summer   **3.00 Credits - 3.00 Hours**

Salzburg's musical landscape, rich in music history and influence, provides the backdrop for this independent study. Students will develop their ability to engage critically with diverse ideas about the relationship between music and its cultural context. Students are encouraged to draw on the extraordinary music resources available in Salzburg (Mozart Archives, International Foundation Mozarteum, Landestheater, Marionetteentheater, Library of the Mozarteum, Film Museum, etc.) The student's special interest will shape his/her research and assignments, presentations, discussion, concert visits and independent research. It is intended as an exercise in combining the study of music history and theory with personal observations and experience.

MUL2010   Music Appreciation

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

Open to all students, this course is designed for the musical layman and is a survey course devoted to music in world civilization. Included is a study of the music relating to the background of the life and other arts of the times. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This course satisfies the General Education State Core Humanities requirement for degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

MUL2010H Honors Music Appreciation

Offered as Needed   **3.00 Credits - 3.00 Hours**

This course is designed for the musical layman and is a survey course devoted to music in world civilization. Included is a study of the music relating to the background of the life and other arts of the times. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This course satisfies the General Education State Core Humanities requirement for degree-seeking students. Honors level content. Permission from Honors Director required. Prerequisite: Acceptance into Honors program or permission from the Honors Director.

MUL2014   Introduction to Music History and Literature

Fall   **3.00 Credits - 3.00 Hours**

This course is an introduction to music literature, history and culture for music majors. Topics to be addressed include an overview of musical repertories and cultures from the western art music tradition, American jazz and a selected case study of non-western music from a variety of musical traditions and historical periods, including from the western middle ages and north India. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

MUL3930   The Mozart Project

Summer   **3.00 Credits - 3.00 Hours**

This independent study is designed to allow music students to draw on the extraordinary resources available in Salzburg on the subject of Mozart (Mozart Archives, International Foundation Mozarteum, Landestheater, Marionetteentheater, Library of the

Mozarteum, Film Museum, etc.) The student's special interests and her/his area of performance should be reflected in the two assigned papers. The first paper is about a more general topic, whereas the second paper is more focused and related to the work the student chooses to perform at the end of the semester. Her/his performance is introduced by a public lecture s/he prepares.

MUM2004 Music Business I

Fall   **3.00 Credits - 3.00 Hours**

This course is an introduction to the current global music industry. It surveys the fundamentals, guidelines and the use of copyright law, contracts, agencies and management, publishing, song writing, recording, production and marketing. Emphasis will be placed on evolving trends in the industry.

MUM2009 Music Business 2

Spring   **3.00 Credits - 3.00 Hours**

This course is a project-based review of career options in the Music Industry. Topics discussed include promotion, marketing, distribution, music publishing, music engineering, the local music industry, radio and television, film scoring, advertising, teaching as a business, music merchandising, arts administration, working in the national and international scene, live performance, and recording agreements, with emphasis on the evolving trends in the industry. Students will develop a written business plan for their own music business enterprise, write their resumes and interact with industry professionals.

MUM2610 Introduction to Music Technology

Spring   **3.00 Credits - 3.00 Hours**

This course surveys the hardware and software

in music today. Topics include the elements of Sound, Audio, Music Instrumental Design Interface (MIDI), Computer Notation, and Computer-Assisted Instruction.

MUN1010   Ensemble Participation

Fall, Spring   **.00 Credits - 3.00 Hours**

This class offers students the opportunity to participate in any Seminole State Performing Ensembles beyond the four required for the Music Pathway. Offered by department consent only. Prerequisites: Four MUN prefix classes.

MUN1180MSymphonic Band

Fall, Spring, Summer 1.00 Credit - 3.00 Hours

This course is open to anyone in the community interested in performing all styles of concert band literature. No audition is necessary. Any band instrument will be acceptable. This course may be repeated for credit multiple times.

MUN1310MSeminole Singers

Fall, Spring   **1.00 Credit - 3.00 Hours**

This course is created for a chorus of mixed voices which is open to all students of the College who enjoy singing a wide variety of choral literature. No audition is necessary. This course may be repeated for credit multiple times.

MUN1310N Seminole Concert Chorale

Fall, Spring   **1.00 Credit - 3.00 Hours**

Seminole Concert Chorale is the College's premier classical choral ensemble for music majors or others with choral experience. This course may be repeated for credit multiple

times.

MUN1370   SeminoleSound

Fall, Spring   1.00 Credit - 3.00 Hours

SeminoleSound is the contemporary vocal jazz ensemble for the College. Audition is required. Dean's permission is required. This course may be repeated for credit multiple times.

MUN1380   Seminole Community Chorus

Fall, Spring   1.00 Credit - 3.00 Hours

Open to all students, the Seminole Community Chorus is a course offering a wide variety of types and periods of choral literature, specializing in the great masterworks. This course is primarily a form of recreation and cultural enrichment for College students and members of the community. This course may be repeated for credit multiple times.

MUN1710   Jazz Ambassadors

Fall, Spring, Summer 1.00 Credit - 3.00 Hours

This course is open to all students. Jazz Ambassadors has a repertoire that includes both traditional and contemporary jazz and rock literature. No audition is required. This course may be repeated for credit multiple times. Instructor permission required.

MUN1711   Jazz Combo

Fall, Spring, Summer 1.00 Credit - 3.00 Hours

This course is open to all students. Upon successful completion of this course, the student will be able to become more fluent in the various jazz vocabularies through theoretical practice, ear training and lab experience. Students will learn the standard jazz literature with its appropriate vocabulary.

This course may be repeated for credit multiple times.

MUN1780   Community Jazz Ensemble

Fall, Spring   1.00 Credit - 3.00 Hours

This course is open to non-degree seeking students. The repertoire includes both traditional and contemporary jazz and rock literature. No audition is required. This course is open to all instrumentalists. This course may be repeated for credit multiple times. Prerequisite: A non-degree plan (NOND) of CMUSIC, POSTASSOC or POSTBACC or POSTHS or TEACH.

MUN2140   Wind Ensemble

Fall, Spring   1.00 Credit - 3.00 Hours

This course is open to all students and includes the study and performance of music for wind ensemble and band. This course may be repeated for credit multiple times.

MUN2420   Woodwind Ensemble

Fall   1.00 Credit - 3.00 Hours

This course is open to all students and includes the study and performance of music for small woodwind ensembles. This course may be repeated for credit multiple times.

MUN2430   Brass Ensemble

Fall   1.00 Credit - 3.00 Hours

This course is open to all students and includes the study and performance of music for small brass ensembles. No audition is required. This course may be repeated for credit multiple times.

MUN2440 Percussion Ensemble

Fall, Spring   **1.00 Credit - 3.00 Hours**

This course is open to all students and covers the study and performance of music for small ensembles. This course may be repeated for credit multiple times.

MUN2480 Guitar Ensemble

Fall, Spring   **1.00 Credit - 3.00 Hours**

This course is open to all students and includes the study and performance of music for guitar ensembles. This course may be repeated for credit multiple times.

MUN2950 Travel/Study in Music

Offered as Needed   **3.00 Credits - 3.00 Hours**

This music travel study course combines preparation on campus, travel and study. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure.

MUS1010   Recital Attendance

Fall, Spring   **.00 Credits - 1.00 Hour**

This course is designed to help students prepare for recitals, juries and overall musicianship. Students will attend seminars and workshops on selected topics in music. Additionally, students will perform in, and attend, Music at Seminole State events. At least one recital performance is required. Corequisite: Any 1000 or 2000 level MVB, MVK, MVP or MVS Applied Music course.

MUS2941   Music Internship - 1 CR

Offered as Needed   **1.00 Credit - 1.00 Hour**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

MUS2949   Music Internship - 3 CR

Offered as Needed   **3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development

Center.

MUT1001   Introduction to Music

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is open to all students and includes the introduction to reading and performance of music, including principles of notation, scales, triads, rhythms and interpretive markings. The course will also provide an introduction to the basics of the keyboard. For students with little or no previous musical training or for music majors as deemed necessary through the Music Theory Diagnostic Assessment.

MUT1121   Music Theory and Musicianship I

Offered as Needed   3.00 Credits - 5.00 Hours

This course includes studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training and improvisation. By department consent only.

MUT1122   Music Theory and Musicianship II

Offered as Needed   3.00 Credits - 5.00 Hours

This course is a continuation of MUT 1121 (Music Theory and Musicianship I). Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training and improvisation. By department consent only. Prerequisites: MUT 1121 or MUT 1111 and MUT 1241.

MUT2126   Music Theory and Musicianship III

Offered as Needed   3.00 Credits - 5.00 Hours

This course is a continuation of MUT 1122

(Music Theory and Musicianship II). Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training and improvisation. Prerequisites: MUT 1122 or MUT 1112 and MUT 1242.

MUT2127   Music Theory and Musicianship IV

Offered as Needed   3.00 Credits - 5.00 Hours

This course is a continuation of MUT 2126 (Music Theory and Musicianship III). Studies in music theory, both written and aural skills, including musical analysis, musical composition, sight singing, ear training and improvisation. Prerequisites: MUT 2126 or MUT 2116 and MUT 2246.

MVB1314   Baritone I

                                1.00 Credit - 1.00 Hour

Baritone I

MVB1411   Trumpet II

Spring   **1.00 Credit - 1.00 Hour**

Trumpet II

MVK1111M Class Piano I

Fall   **1.00 Credit - 2.00 Hours**

This course is a study of piano for music majors.This course is taught in a classroom/ piano laboratory environment. By department consent only.

MVK1111N Class Piano I

Summer   **1.00 Credit - 2.00 Hours**

Open to all students, this course is a study of

piano for non-music majors. This course is taught in a classroom/piano laboratory environment.

MVK1112M Class Piano II

Spring   **1.00 Credit - 2.00 Hours**

This course is a continuation of Class Piano I for music majors. By department consent only. Prerequisite: MVK 1111M with a minimum grade of "C" or higher or permission of instructor.

MVK1112N Class Piano II

Spring   **1.00 Credit - 2.00 Hours**

Open to all students, this course is a continuation of Class Piano I for non-music majors. Preparation for Piano Proficiency Examination. Prerequisite: MVK 1111N with a minimum grade of "C" or higher or permission of instructor.

MVK2121M Class Piano III

Fall   **1.00 Credit - 2.00 Hours**

This course is a continuation of Class Piano II for music majors. Preparation for Piano Proficiency Examination. Prerequisite: MVK 1112M or MVK 1112N with a grade of "C" or higher.

MVK2122M Class Piano IV

Spring   **1.00 Credit - 2.00 Hours**

This course is a continuation of Class Piano III for music majors. Preparation for Piano Proficiency Examination. Prerequisite: MVK 2121M with a minimum grade of "C" or higher or permission of instructor.

MVS1116M Guitar Class I

Fall   **1.00 Credit - 2.00 Hours**

This course is open to all students and to all beginning students who wish to learn the fundamentals of guitar technique. The course will include material ranging from folk music to popular music.

MVS1116N Guitar Class II

Spring   **1.00 Credit - 2.00 Hours**

This course is open to all students and is a continuation of MVS 1116M. Prerequisite: MVS 1116M.

MVS1319   Harp I

Fall   **1.00 Credit - 1.00 Hour**

This course consists of individualized instruction of Harp Level 1.

MVS1419   Harp II

Spring   **1.00 Credit - 1.00 Hour**

Individualized instruction of Harp Level 2. Prerequisite: MVS 1319 or department approval. Corequisite: MUT 1122.

MVS2329   Harp III

Fall   **1.00 Credit - 1.00 Hour**

Individualized instruction of Harp Level 3. Prerequisite: MVS 1419 or Department Approval. Corequisite: MUT 2126.

MVS2429   Harp IV

Spring   **1.00 Credit - 1.00 Hour**

Individualized instruction of Harp Level 4. Prerequisite: MVS 2329 or Department approval. Corequisite: MUT 2127.

MVV1110   Voice Class I

Fall, Spring   1.00 Credit - 2.00 Hours

This course is open to all students and is the study of vocal techniques and vocal literature for music majors and non-music majors.

MVV1111   Voice Class II

Fall, Spring   1.00 Credit - 2.00 Hours

This course is open to all students and is a continuation of MVV 1110. Prerequisite: MVV 1110.

NUR1003L Nursing Skills

Fall   2.00 Credits - 6.00 Hours

The nursing skills laboratory course introduces basic nursing skills utilized and delegated by the nurse to implement the nursing process. This course complements the foundations of nursing course and provides students an opportunity to integrate evidence-based practice into the clinical skills laboratory. This course introduces the student learning outcomes of caring, clinical competence and decision-making, communication, commitment to professionalism and collaboration and management of care. Demonstrations of basic nursing skills, therapeutic use of medication, client responses to drug therapy and the nurse's role in medication administration in a safe and supportive environment will be emphasized. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisite: Admission to RN-AS Program. Corequisites: NUR 1022C and 1060C.

NUR1022C Foundations of Nursing

Fall, Spring,   5.00 Credits - 11.00
Summer   Hours

This course introduces the Student Learning Outcomes (5Cs) of the Nursing curriculum upon which all subsequent nursing courses are built. The student is introduced to the Student Learning Outcomes (5Cs): caring, communication, collaboration and management of care, commitment to professionalism and clinical competence and decision-making as they apply to the role of the nurse. The student will be introduced to the legal, ethical and professional standards of the nursing profession and the role of the associate degree nurse in health promotion, maintenance and restoration. Basic bio-psychosocial needs of clients are identified and the student will begin to utilize the nursing process to identify and intervene when these needs are unmet. The student will explore basic concepts regarding the therapeutic use of medications, patient response to drug therapy and the nurse's role in medication administration as part of the health care team. Clinical competence in selected basic nursing skills will be developed in the nursing laboratory. Clinical experiences include long-term care and acute care facilities where students begin to apply concepts and competencies learned in the classroom and nursing laboratory. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisite: Admission to RN-AS Program. Corequisites: NUR 1003L and NUR 1060C.

NUR1060C Health Assessment

Fall, Spring,   3.00 Credits - 4.50
Summer   Hours

This course introduces the student to important concepts related to assessment and maintenance of health in individuals. Content will cover basic assessment of patients across

the lifespan, including patients with diverse backgrounds as well as geriatric populations. Students will perform assessments incorporating aspects of history-taking, risk potential, psychosocial development, physical examination techniques and deviations from normal assessment findings. This course will emphasize the core educational competencies of the curriculum: caring, clinical competence and decision-making, communication, commitment to professionalism and collaboration and management of care. A strong laboratory focus is provided to enable the student/learner to demonstrate competence in nursing assessment skills. Students must complete this course with a grade of "C" or higher. Prerequisite: Admission to RN-AS Program.

NUR1210C Concepts of Basic Medical Surgical Nursing

Spring, Summer   6.00 Credits - 12.00 Hours

This course builds upon the core educational competencies introduced during the Fundamentals course. Using the framework of the nursing process, the student is able to assist the adult client and family achieve an optimum state of health and wellness. This course prepares the student/learner to apply theoretical knowledge and basic nursing skills when providing care in meeting the biopsychosocial needs of adult clients with simple/common medical and surgical problems. This course will continue to emphasize the Student Learning Outcomes of the curriculum: caring interventions, clinical competence and decision-making, communication, commitment to professionalism and collaboration and management of care. A strong laboratory focus is provided to enable to the student/learner to demonstrate competence in selected basic nursing skills. Clinical experiences in the acute care setting will be provided along with simulated lab experiences. Students must complete this course with a grade of "C" or

higher. Lab fee required. Prerequisites: NUR 1022C and NUR 1003L and NUR 1060C with grades of "C" or higher. Corequisite: NUR 2520C.

NUR2241C Advanced Concepts in Medical Surgical Nursing

Fall, Spring   6.00 Credits - 12.00 Hours

This course prepares the student/learner to apply safe and effective care for clients with advanced medical and surgical problems. This course is designed to build on material from the previous medical surgical courses. Through the use of the nursing process, this course will build on the five Student Learning Outcomes of the curriculum: caring interventions, clinical competence and decision-making, communication, commitment to professionalism and collaboration and management of care. The student will prioritize the biopsychosocial needs of clients to promote optimal health and wellness. Lab simulation of selected clinical nursing skills will be used to facilitate meeting the needs of clients with advanced medical and surgical problems. During clinical, students will interact with culturally diverse clients. Clinical experiences in acute care settings and observational experiences in specialty settings may be scheduled to enhance the learning experience. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisite: NUR 1210C with a grade of "C" or higher.

NUR2244C Complex Concepts in Medical Surgical Nursing

Fall, Spring,   4.00 Credits - 8.00
Summer   Hours

This course is designed to build on the five Student Learning Outcomes of the curriculum: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to

professionalism and (e) collaboration and management of care. The nursing process will be a guide for the student to utilize decision-making skills to meet the biopsychosocial needs of clients with complex medical and surgical problems and multi-system dysfunction. Lab simulation of selected clinical nursing skills will be used to facilitate meeting the needs of the client with complex medical and surgical problems and multi-system dysfunction. During clinical experiences, students will interact with culturally diverse clients. Clinical experiences in acute care settings and observational experiences in specialty settings may be scheduled to enhance learning experiences. Content will include concepts of critical care, emergency care and application of leadership and patient care management. Students must complete this course with a grade of "C" or higher. Prerequisite: NUR 2241C with a grade of "C" or higher.

NUR2251C Complex Concepts in Medical Surgical Nursing

Spring, Summer   6.00 Credits - 12.00 Hours

This course is designed to build on the five core educational competencies of the curriculum: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care. The nursing process will be a guide for the student to utilize decision-making skills to meet the biopsychosocial needs of clients with complex medical and surgical problems and multi-system dysfunction. Lab simulation of selected clinical nursing skills will be used to facilitate meeting the needs of clients with complex medical and surgical problems and multi-system dysfunction. During clinical experiences, students will interact with culturally diverse clients. Clinical experiences in acute care settings and observational experiences in specialty settings may be scheduled to

enhance the learning experiences. Content will include concepts of critical care, emergency care, disaster response and application of leadership and patient care management. Lab fee required. Prerequisite: NUR 2241C with a grade of "C" or higher.

NUR2440C Concepts of Maternal/Child Nursing

Fall, Spring, Summer   6.00 Credits - 11.00 Hours

This course addresses the unique concepts in maternal-child nursing. This course will help prepare the student to meet the developmental, biological and psychosocial health and illness needs of the child-bearing family. The educational and anticipatory guidance needs of the child-bearing family will be integrated throughout the theory and clinical components in the course to enable the family to maintain or restore an optimal state of health and well-being. The clinical component provides guided clinical experiences that allow students to demonstrate caring and clinical competencies in the application of the nursing process in selected obstetric and pediatric health care environments. Students interact with culturally diverse clients and families with emphasis on the integration of critical thinking, effective interpersonal communication, professionalism and legal and ethical standards. The clinical simulation laboratory experience reinforces the concepts acquired during the theoretical portion of the class and allows for student collaboration and decision-making in a supported environment. Concepts that will be emphasized throughout the curriculum reflect the Student Learning Outcomes: caring, clinical competence and decision-making, communication, commitment to professionalism and collaboration and management of care. Students must complete this course with a grade of "C" or higher. Prerequisites: DEP 2004 and NUR 1210C with a grade of "C" or

higher.

NUR2520C Concepts in Mental Health Nursing

Fall, Spring   **3.00 Credits - 6.00 Hours**

This course focuses on the theory base necessary for understanding mental health and illness. Students utilize the nursing process in the care of patients experiencing interference in meeting basic needs due to neurobiological and psychosocial problems. This course continues to build on the five core educational competencies of the curriculum: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care. Emphasis is placed on developing therapeutic communication skills, self-awareness and effective nurse-patient relationships. Students collaborate with the healthcare team in a mental health clinical setting and begin to develop the core competencies necessary to achieve desired client outcomes. Psychopharmacology across the lifespan and concepts of medication management are integrated in each unit. Community experiences, selected video, role play and simulation activities are incorporated in this course. There are clinical experiences in acute care inpatient mental health facilities and selected community settings. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisites: NUR 1022C and NUR 1060C and NUR 1003C with a grade of "C" or higher. Corequisite: NUR 1210C.

NUR2943C Practicum and Client Care Management

Fall, Summer   **3.00 Credits - 8.20 Hours**

This culminating course in the Associate Degree Nursing Program provides students the opportunity to (a) synthesize previous knowledge and skills and (b) develop new knowledge and skills for the management of client care in a dynamically changing healthcare system. Students participate in live and online seminars to develop and enhance the five Student Learning Outcomes of the nursing program: (a) caring interventions, (b) clinical competence and decision-making, (c) communication, (d) commitment to professionalism and (e) collaboration and management of care as they learn to make the transition from student to graduate nurse. In addition, selected leadership and management principles including (a) prioritizing competently, (b) delegating successfully and (c) managing conflict will be explored. These outcomes are applied in the clinical environment through a guided preceptorship that is directed by the nursing faculty. Students must complete this course with a grade of "C" or higher. Lab fee required. Prerequisite: NUR 2251C or NUR 2244C with a grade of "C" or higher.

NUR2949   Internship in Nursing

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development

Center.

NUR3125   Pathophysiology

Offered as Needed   3.00 Credits - 3.00 Hours

This course focuses on the basic concepts and processes of pathophysiology for common disease conditions. The content will build on earlier course work such as anatomy, physiology, microbiology, chemistry and nutrition. The mechanisms of underlying clinical manifestations, prevention and treatments will be discussed. Prerequisite or corequisite: NUR 3825. All prerequisites must be passed with a grade of "C" or higher.

NUR3145   Pharmacology

Offered as Needed   3.00 Credits - 3.00 Hours

This course focuses on the effects of pharmacotherapy used in the treatment of selected illnesses and the promotion, maintenance and restoration of wellness in diverse populations across the lifespan. Emphasis is placed on the concepts of pharmacodynamics and pharmacokinetics. Course outcomes include a detailed understanding of the nurse's role in safe drug administration, assessment of patient response to drug therapy, patient education and evidence-based treatment guidelines. Legal and ethical principles of medication administration are reviewed. Prerequisite or corequisite: NUR 3825. All prerequisites must be passed with a grade of "C" or higher.

NUR3161   Scholarly Resources for Nursing

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

Nursing students will acquire the knowledge, skills and abilities to succeed in the RN-to-BSN program by identifying, evaluating and using diverse information from appropriate sources and databases. This course follows the literature research process with a nursing focus that includes developing topics, creating search strategies, critically evaluating and ethically citing sources and scholarly writing. These research and critical thinking skills are crucial for evidence-based practice by the professional nurse. Corequisite: NUR 3825.

NUR3169   Evidence & Research in Nursing Practice

Fall, Spring   3.00 Credits - 3.00 Hours

This course focuses on the processes required to integrate evidence and research into nursing practice. The primary emphasis is on skills to evaluate scientific evidence for nurse-sensitive quality markers so that students can utilize published healthcare research to influence practice. Prerequisite: STA 2023 or STA 2014. Prerequisite: NUR 3825. All prerequisites must be passed with a grade of "C" or higher.

NUR3177   Holistic Nursing

Offered as Needed   3.00 Credits - 3.00 Hours

This course will focus on basic theories and concepts related to Holistic Nursing. Evidence-based practice of complementary, alternative, and integrative therapies will be examined. Special emphasis is placed on the integration of Holistic Nursing concepts into professional nursing care throughout the lifespan and across diverse cultures. The importance of self-care and healing environments will be emphasized, along with an examination, from a holistic perspective, of topics such as therapeutic communication, leadership, spirituality and end of life care. Corequisite: NUR 3825.

NUR3634C Community and Public Health Nursing

Offered as Needed   3.00 Credits - 6.00 Hours

This course is designed to provide students with the opportunity to assist culturally diverse populations and aggregates in the community to achieve an optimum level of wellness. Concepts of community health nursing focus on the community as a client and nursing interventions utilized across the lifespan. Special emphasis is placed on advanced theoretical concepts related to health promotion, risk reduction, disease prevention, and development processes. This course includes 1 credit hour of online virtual simulation as experiential learning. Prerequisite or corequisite: NUR 3825. Corequisite: NUR 3931. All prerequisites must be passed with a grade of "C" or higher. (Note: Students admitted prior to Fall 2021 should take NUR 3634C and NUR 3931 together for 4 credits of community health.)

NUR3667   Diversity & Global Trends in Nursing

Offered as Needed   3.00 Credits - 3.00 Hours

This course contributes to the development of nursing competence toward a diverse population. Global approaches to healthcare will be examined to aid the nurse in the development of professional nursing practice. Key issues and trends related to selected national and global healthcare topics will be explored. Specific attention will be given to basic health beliefs of selected cultures, health disparities and underserved populations, both nationally and internationally. Prerequisite or corequisite: NUR 3825. All prerequisites must be passed with a grade of "C" or higher.

NUR3678   Nursing Care of Vulnerable Populations

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course is designed to pull together material from different cultures and at-risk groups of individuals considered to be vulnerable populations. Key concepts will be discussed that will provide a basic structure for caring for the vulnerable, the relevance of nursing theories to vulnerable populations, nursing research showing the kinds of phenomena nurses study and many ideas about learning to work with and advocate for vulnerable individuals. Prerequisite or corequisite: NUR 3825. All prerequisites must be passed with a grade of "C" or higher.

NUR3825   Professional Role Transition

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course will explore the role expectation of the baccalaureate nurse by integrating the professional standards, ethical principles and management roles as it relates to critical thinking as part of the global perspectives of the healthcare delivery system. Corequisite: NUR 3161.

NUR3870   Informatics in Healthcare

Offered as Needed   3.00 Credits - 3.00 Hours

This course will be presented in a hands-on, interactive and self-reflecting manner that will allow students to explore informatics nursing careers and the effective use of patient care technologies while gaining a basic understanding of the multidisciplinary combination of nursing science, computer science, information science and cognitive science. Additionally, this course will provide an introductory overview of relevant clinical information systems (CIS), basic informatics concepts, decision-making support tools and an examination of health information technologies that promote safety, improve quality, foster consumer-centered care and efficiency. Prerequisite or corequisite: NUR 3825. All prerequisites must be passed with a

grade of "C" or higher.

NUR3930 Selected Studies in Nursing

Fall, Spring, Summer **3.00 Credits - 3.00 Hours**

In this course topics of current interest are presented in group instruction.

NUR3931 Selected Studies in Nursing

Offered as Needed **1.00 Credit - 1.00 Hour**

This course will provide additional Community and Public Health Nursing content for students who were admitted during the prior curriculum requiring a 4-credit hour course and is to be taken in addition to the 3-credit hour NUR 3634C. Concepts of community health nursing focus on the community as a client and nursing interventions utilized across the lifespan. Special emphasis is placed on advanced theoretical concepts related to health promotion, risk reduction, disease prevention and development processses. Prerequisite: NUR 3825; Corequisite: NUR 3634C (3 credits).

NUR4257 Critical Care Nursing

Offered as Needed **3.00 Credits - 3.00 Hours**

This theoretical course focuses on synthesizing nursing knowledge and skills in caring for adult clients and their families impacted by critical illness. The emphasis is on both pathophysiology and clinical management. Prerequisite: NUR 3125. Prerequisite or corequisite: NUR 3825. All prerequisites must be passed with a grade of "C" or higher.

NUR4286 Gerontological Nursing

Offered as Needed **3.00 Credits - 3.00 Hours**

This course examines the process of aging. Physical, psychological, sociocultural and spiritual aspects of aging are examined within the context of the family and society. Advanced theoretical concepts of aging will be examined using the nursing process. The course will also present the unique healthcare needs of the older adult and introduce students to how nursing approaches manage those needs. Ethical and legal issues related to the nursing care of older adults are explored. Prerequisite or corequisite: NUR 3825. All prerequisites must be passed with a grade of "C" or higher.

NUR4296 Emergency Preparedness and Crisis Management

Offered as Needed **3.00 Credits - 3.00 Hours**

The purpose of this course is to provide a beginning level of instruction into the multifaceted issue of crisis/emergency management from the perspective of the Registered Nurse. This course focuses on the basic principles of crisis/emergency management, the role of federal agencies, at-risk populations, communication, cultural considerations, interprofessional collaboration, pandemics and emerging infections, global health, mental health issues, recovery, bereavement and ethical considerations. Corequisite: NUR 3825.

NUR4829 Leadership and Management in Nursing

Fall, Spring, Summer **3.00 Credits - 3.00 Hours**

The purpose of this course is to examine leadership and management concepts used to address complex micro-system issues within selected healthcare organizations. Emphasis is on the application of advanced communication skills in collaboration with interprofessional

teams. Focus is on the interrelationship of selected roles within the context of specific theoretical frameworks and models of care. Prerequisite: NUR 3825 Prerequisite or corequisite: NUR 3169. All prerequisites must be passed with a grade of "C" or higher.

NUR4837   Healthcare Policy and Economics in Nursing

Offered as Needed   3.00 Credits - 3.00 Hours

This course examines the foundations of healthcare policy that impact nursing practice and client care. Students will participate in a critical analysis of current legislative issues, economic constraints and political controversies that influence emerging trends in nursing practice and healthcare systems. Course content will include an appraisal of the implications of policy and economics on issues of access, equity, affordability, health disparities and social justice in healthcare. Students will gain knowledge that prepares them to assume leadership roles in health policy development. Prerequisite or corequisite: NUR 3825.

NUR4931   Selected Studies in Nursing

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

NUR4944   Capstone Preparation

Fall, Spring, Summer .00 Credits - 2.00 Hours

This course will ensure the student has completed a number of requirements necessary before starting NUR 4945C Nursing Capstone in the student's final semester of the program. This is a zero credit, pass/fail course to assist the student in preparing for the last course prior to graduation, in which they will

demonstrate achievement of program learning outcomes. Prerequisite: NUR 3825. Corequisites NUR 3169 and NUR 4829.

NUR4945C Nursing Capstone

Fall, Spring, Summer   2.00 Credits - 5.00 Hours

The Nursing Capstone is the final course of the RN-to-BSN program and should be taken in the graduation semester. This course builds on previous learning and provides the student with experiential learning activities to demonstrate mastery of BSN competencies. To enroll in this course, the student must have a current RN license in the state in which they are taking courses. Prerequisites: NUR 3169, NUR 3634C, NUR 3825, NUR 4829 and NUR 4944, which must be successfully completed the semester prior to Capstone; All core required and elective courses must be completed or enrolled in prior to enrollment in the Capstone. All prerequisites must be passed with a grade of "C" or higher.

NUR4953   Intercultural Healthcare

Fall, Spring   3.00 Credits - 3.00 Hours

This three credit-hour A or B session elective is designed to compare and contrast the relationship of culture and healthcare in the United States with the Republic of Ireland. Students will study culture as an influence on each nation's laws and systems that influence healthcare and health outcomes and explore similar and unique healthcare challenges. The goal of the course is to promote interest in global health and understanding of how diverse cultures influence healthcare systems and outcomes. Corequisite: NUR 3825 or instructor permission.

OCE1001   Introduction to Oceanography

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This beginning course is designed to acquaint the student with the elementary physical, chemical, biological and geological characteristics of the world ocean system. Emphasis is on Florida and its unique relationship with the ocean environment.

OCE1001C   Introduction to Oceanography with Lab

Offered as Needed   4.00 Credits - 5.00 Hours

This beginning course is designed to acquaint the student with the oceans, Earth's most dominant feature and their importance to all planetary systems. Focus will be on their physical, chemical, biological and geological characteristics. Emphasis is on Florida and its unique relationship with the ocean environment. Field trips may be included.

OCE1001CHHonors Introduction to Oceanography with Lab

Spring   4.00 Credits - 5.00 Hours

This honors level introductory course is designed to acquaint students with the oceans, Earth's most dominant feature and their importance to all planetary systems. Focus will be on their physical, chemical, biological and geological characteristics. Emphasis is on Florida and its unique relationship with the ocean environment. Field trips may be included. Honors level content. Permission required from Honors director. Prerequisite: Acceptance into Honors program.

OST1100C   Keyboarding and Document Processing

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

Students in this course will master the keyboard by touch. Business letters, reports, envelopes, labels and memos are taught using Microsoft Word. This course is for students with little or no keyboarding experience.

OST1108C   Advanced Keyboarding & Document Processing

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is a continuation of OST 1100C. This course is an individualized approach to increasing speed and accuracy using keyboarding skills for personal and professional use. Emphasis is placed upon developing correct keyboarding techniques. Exercises are interfaced with Microsoft Word to prepare the student for work in an office as well as for personal use. Business and personal letters, tables, resumes and reports are covered. Prerequisite: OST 1100C or department approval.

OST1141   Keyboarding

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed for students who need keyboarding/typewriting skills for personal use. Students will learn to operate the computer keyboard by touch.

OST1355C   Records Management and Legal Implications

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is a study of the principles of effective management for paper-based, electronic and image records systems. Emphasis is placed on the systematic control of the life cycle of all records. Students will learn the basic legal background requirements for the release, retention and storing of

records and laws regulating the management of such records. Principles of cost, efficiency and performance are covered as related to the management of all records. Students will also learn how to manage files on their electronic storage device. Career opportunities in records management are included.

OST2335C Business Communication

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course develops effective oral and written business communication skills to create successful human relations. Communication skills are taught in the four language areas: listening, reading, writing and speaking. Studies include grammar, proofreading, editing and business communication composition.

OST2402C Administrative Office Procedures

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course provides the student with the experience of performing tasks assigned to an administrative assistant in a business setting. As an administrative assistant, the student will assist with correspondence, meetings, client presentations, travel arrangements and office organization. The student will demonstrate skills in problem-solving, decision-making and critical thinking.

OST2501   Administrative Office Management

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course is a study of the current management principles, concepts, organizational trends, technology and human relations as related to the responsibilities of the administrative office manager. Simulations, case studies and projects are used

to develop decision-making and supervisory skills necessary for office organization and administration.

OST2713C Microsoft Word I

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

Basic keyboarding skills are required in this course. Students will learn to process, edit and format text and paragraphs, use headers, footers, sections, styles, templates and writing tools and print and manage files. In addition, students will learn to use advanced formatting features, graphics, mail merge and tables.

OST2794   Internet Research for Business

Fall, Spring   **3.00 Credits - 3.00 Hours**

This business-oriented Internet research class provides research strategies and specific search tools to find relevant and reliable information in the most effective and efficient manner from among the enormous amount of data that resides on the World Wide Web. The course addresses basic searches, selecting the right keywords, phrase searching, Boolean operators, filters, advanced search operators, evaluative criteria to determine the reliability of sites, meta-search engines, subject guides, specialty information and social media platforms. Hands-on activities allow students to utilize research strategies and search tools.

OST2826C Microsoft PowerPoint

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

Students will learn to plan, create, modify and deliver a presentation using Microsoft PowerPoint. Students will enhance presentations using animation, sound and graphics. They will prepare notes and handouts and save presentations in multiple

formats.

OST2852C Microsoft Excel

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

The purpose of this course is to provide students hands-on training using Excel for business, professional and personal use. The student will gain an in-depth understanding of a spreadsheet program. The student will create, edit and format spreadsheets and graphs, work with formulas and functions, sort, filter and subtotal data lists and create and edit macros.

OST2930   Selected Studies in Office Administration

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction.

OST2941   Internship in Office Systems

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5,

appropriate job/internship placement and permission from the Career Development Center.

OST2942   Internship in Office Systems

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

OST2949   Internship in Office Systems

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12

college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PAX2000   Introduction to Peace Studies

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course will explore the dynamics from a variety of frames. The course will provide a cursory overview of various issues such as conflict, violence, war, non-violence and peace. The course is intended to engage students in the theory and application addressing conflict, violence, war and terrorism. Students will examine approaches to peace, alternatives to war and to peace-building through peace studies and non-violence movements. The course will adopt the frame that we must review actions of the past in order to prevent recurrences. The student will draw upon the ideology of individuals identified as great peacemakers. While exploring great peacemakers, a focus on personal non-violence, ethical approaches to war, conflict transformation or peace and movements for social change will be conducted. Students will investigate local and international conflict, social movements and non-violent approaches to peace. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

PCO1202   Foundations of Counseling DSST

Examination DANTES

Offered as Needed   3.00 Credits - .00 Hours

Credit for this course is granted to students with scores of 45 or higher on the DSST Examination (DANTES) in Fundamentals of Counseling.

PEL1121   Introduction to Golf

Fall, Spring   **1.00 Credit - 2.00 Hours**

This course is designed to develop skills and give practice in the basic fundamentals of golf, including application of basic skills, rules and etiquette.

PEL1211   Softball I

Fall   **1.00 Credit - 2.00 Hours**

This course provides specialized instruction with emphasis on fundamental skills, techniques, offensive and defensive strategy and understanding softball as a competitive sport.

PEL1216   Baseball I

Fall   **1.00 Credit - 2.00 Hours**

This course provides specialized instruction with emphasis on fundamental skills, techniques, methods and understanding of baseball as a competitive sport.

PEL1621   Basketball I

Fall   **1.00 Credit - 2.00 Hours**

This course provides specialized instruction with emphasis given to fundamental skills, techniques, methods and understanding of basketball as a competitive sport.

PEL2212   Softball II

Spring   1.00 Credit - 2.00 Hours

This course provides specialized instruction in advanced skills, techniques and strategies used in competitive softball.

PEL2217   Baseball II

Fall   1.00 Credit - 2.00 Hours

This course is a continuation of PEL 1216 with added emphasis on techniques, methods and understanding of play.

PEL2624   Basketball II

Fall   1.00 Credit - 2.00 Hours

This course provides specialized instruction in advanced skills, techniques and strategies used in competitive basketball.

PEL2905   Directed Studies in Physical Education

Offered as Needed   1.00 Credit - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean is required prior to registration. This course may be taken up to four times for credit.

PEM1114   Spin Bike Fitness

Fall, Spring   1.00 Credit - 2.00 Hours

Students will participate in indoor cycling group workouts.

PEM1121   Yoga

Fall, Spring   1.00 Credit - 2.00 Hours

This course provides a study of basic yoga movements and positions which contribute to flexibility, strength and relaxation.

PEM1131   Weight Training

Fall, Spring   1.00 Credit - 2.00 Hours

This course is designed to introduce students to the basic fundamental and scientific principles of weight training and improve overall fitness levels and skills. Students will learn to lift weights independently while improving at their own pace in order to reach their fitness goals.

PEM1141   Aerobics

Fall, Spring   1.00 Credit - 2.00 Hours

This course provides a study of the use of aerobic dance movements and calisthenics to improve fitness.

PEM1144   Cardiovascular Training

Fall, Spring   1.00 Credit - 2.00 Hours

This course is designed to introduce students to the basic fundamental and scientific principles of cardiovascular training and improve overall fitness levels and skills.

PEM1177   Pilates

Fall, Spring   1.00 Credit - 2.00 Hours

This course provides a study of the use of pilates to improve fitness.

PEM1405   Self Defense

Fall, Spring   1.00 Credit - 2.00 Hours

This course teaches the basic principles and application of self-defense. Topics include avoidance of conflict, disabling opponents, defending against multiple attackers and post-conflict procedures. Techniques explored include a variety of blocks, kicks, punches and grab releases.

PEM2101   Conditioning

Fall, Spring   1.00 Credit - 2.00 Hours

This course includes conditioning activities such as weight training, calisthenics and circuit training. May be taken four times for credit.

PEO1003   Sports Officiating

Fall, Spring   1.00 Credit - 2.00 Hours

This course provides an overview of sports officiating. Principles, practices, responsibilities, techniques, methods and employment in sports officiating will be presented. Students will be required to observe sports officiating.

PET2081   Wellness, Children and Schools

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course offers an exploration and promotion by educators of wellness for children and schools including methods for integrating wellness knowledge in educational settings. Prerequisite: ENC 1101 or a non-degree plan of TEACH.

PET3551   Introduction to Exercise Science and Personal Training

Fall   3.00 Credits - 4.00 Hours

This course focuses on the issues in exercise and fitness that each major age group encounters in society today. Students learn the unique challenges that senior adults, middle-aged and younger adults and children and adolescents are confronted with, as well as the sociological, psychological and economic factors that can impact favorable outcomes. Motivational strategies, techniques and plans for designing age-appropriate exercise and fitness programs will be discussed and practiced and current research in models of exercise and fitness programs in community and corporate-based settings will be studied and evaluated for effectiveness. This course will provide an anatomical foundation for the understanding and analysis of human movement.

PET4093   Advanced Personal Training

Spring   3.00 Credits - 4.00 Hours

This course will develop advanced strategies for independent fitness goals designed for lifetime health. Topics will include athletic performance development through a combination of skill, strength and balance training and understanding strategies for analyzing and improving athletic performance. This course will have an emphasis on sport-specific conditioning. Prerequisite: PET 3551 with a grade of "C" or higher.

PGY2127L   Photography Lab I

Fall   1.00 Credit - 2.00 Hours

This course is an open lab designed for experienced students who have basic photography and darkroom skills. A final portfolio is required for completion of the course. Lab fee required. Prerequisites: PGY 2404C with a minimum grade of "C" or higher

and permission of dean.

PGY2401C Photography I

Fall, Spring, Summer   **3.00 Credits – 5.00 Hours**

Open to all students, this course is an introduction to the fundamentals of photography and includes camera operation, pictorial composition, exposure, developing and printing as a means of personal photographic expression. A manual 35 mm, single-lens reflex camera is required, as is the purchase of expendable materials. This course is for art majors and non-art majors. Lab fee required.

PGY2404C Photography II

Spring   **3.00 Credits – 5.00 Hours**

Open to all students, this course focuses on the application and refinement of skills acquired in Photography I with special emphasis on the mastery of particular problems. A manual 35 mm, single-lens reflex camera is required, as is the purchase of expendable materials. This course is for art majors and non-art majors. Additional lab hours and a lab fee are required. Prerequisite: PGY 2401C.

PGY2405C Advanced Photography

Fall, Spring   **3.00 Credits – 5.00 Hours**

This is an advanced course of photographic study utilizing individualized projects and critiques that stress both technical and aesthetic aspects of the photographic image as a medium of creative expression. A manual 35 mm, single-lens reflex camera is required, as is the purchase of expendable materials. Digital photography is included. Additional lab hours and a lab fee is required. Prerequisites: PGY 2404C with a minimum grade of "C" or higher and permission of dean.

PGY2801C Digital Photography

Fall, Spring   **3.00 Credits – 5.00 Hours**

This course is an introduction to the exciting world of digital imaging. Students will be provided with a start-to-finish understanding of successful image-making by offering hands-on projects, demonstrations and discussions aimed at boosting creative expression and productivity in a challenging, yet fun, environment. Students will learn how to use their digital camera as an effective tool for visual communication as well as how to work efficiently in Photoshop, how to combine images and add text and finally, how to optimize their creations for final output. Students will produce at least three portfolio pieces. Lab fee required.

PGY2802C Digital Photography II

Fall, Spring   **3.00 Credits – 5.00 Hours**

This course allows students to continue the exploration of digital photography as a fine art medium through the use of the computer as darkroom. Includes advanced digital imaging techniques in scanning, color correction, retouching, composition and content. Students will learn to integrate traditional and alternative methods of photography with techniques in digital imagery. Students must have a digital camera with aperture and shutter speed controls. Lab fee required. Prerequisite: PGY 2801C.

PHI1630   Contemporary Ethical Problems

Fall, Spring   **3.00 Credits – 3.00 Hours**

Discussions of the moral problems of contemporary society such as abortion, the sexual revolution, war, violence, aging, civil disobedience, modern medical practices and other issues take place in this course. This course partially satisfies the writing

requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

PHI2010   Introduction to Philosophy I

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course covers fundamental philosophical questions of the human condition including: discussions of existence, identity, ethics, culture, free will, personhood, politics, distributive justice, and much more. Students engage in deep critical thought, analysis of philosophical perspectives including their own, and ultimately gain perspective on how philosophy manifests itself in every aspect of our lived experience. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This course satisfies the General Education State Core Humanities requirement. Prerequisite or corequisite: ENC 1101.

PHI2010H Honors Intro to Philosophy I

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course covers fundamental philosophical questions of the human condition including: discussions of existence, identity, ethics, culture, free will, personhood, politics, distributive justice, and much more. Students engage in deep critical thought, analysis of philosophical perspectives including their own, and ultimately gain perspective on how philosophy manifests itself in every aspect of our lived experience. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Honors level content. Permission required from Honors director. This course satisfies the General Education State Core Humanities requirement. Prerequisite: Acceptance into Honors program. Corequisite: ENC 1101.

PHI2011   Introduction to Philosophy II

Offered as Needed   3.00 Credits - 3.00 Hours

This course provides a greater depth of study of the fundamental philosophical problems and concepts, speculation about the existence of God, the relevancy of morals today and the limits of human understanding. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: PHI 2010.

PHT1000   Introduction to Physical Therapy

Fall   **2.00 Credits - 3.00 Hours**

This course introduces the new physical therapist assistant (PTA) student to the physical therapy profession, its professional organizations and the dynamic world of healthcare. Special emphasis is placed on becoming a healthcare professional and understanding the behaviors and responsibilities which by law, ethical standards, and professional standards of conduct are appropriate for a physical therapist and a physical therapist assistant. Additional focus is placed upon understanding the role of the PTA in the healthcare system, the role of team members, legal/ethical issues, medical terminology, documentation, stress management, patient safety and privacy, practice parameters and communication skills. The course format is lecture and discussion. Learning in this course is evaluated via assignments, projects, quizzes, and cumulative examinations. Lab fee required. Students must complete this course with a grade of "C" or higher. Corequisites: PHT 1120, PHT 1120L, PHT 1200, PHT 1200L.

PHT1120   Functional Kinesiology

Fall   **3.00 Credits - 3.00 Hours**

This course is a comprehensive examination of

the structure and function of the musculoskeletal system. The concepts of active and passive insufficiency are introduced and their application to human movement made relevant. Special emphasis is placed upon the observation and analysis of human movement. The course format is mainly lecture and discussion. Learning in this course is evaluated via quizzes and cumulative examinations. Students must complete this course with a grade of "C" or higher. Corequisites: PHT 1000, PHT 1120L, PHT 1200 and PHT 1200L.

PHT1120L   Functional Kinesiology Lab

Fall   **2.00 Credits - 6.00 Hours**

This course is a lab companion to PHT 1120 and provides laboratory practice for those skills requiring hands-on experience. Emphasis is placed upon palpation, goniometric measurements, manual muscle testing and the analysis of human movement. The course format is mainly demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and/or practical exams. Lab fee required. Students must complete this course with a grade of "C" or higher. Corequisites: PHT 1000, PHT 1120, PHT 1200 and PHT 1200L.

PHT1200   Basic Patient Care

Fall   **2.00 Credits - 2.00 Hours**

This course emphasizes the essential patient care skills necessary for clinical practice. Students will learn the basics of assessment of medical status through vital signs, performance of safe patient mobility, infection control, prevention of pressure injury, body mechanics, wheelchair fitting and mobility, gait training and associated assistive devices, as well as use of modalities such as compression, thermal and cryotherapy. The

course format is mainly lecture and discussion. Learning in this course is evaluated via quizzes and cumulative examinations. Students must complete this course with a grade of "C" or higher. Corequisites: PHT 1000, PHT 1120, PHT 1120L, PHT 1200L.

PHT1200L   Basic Patient Care Laboratory

Fall   **2.00 Credits - 6.00 Hours**

This course is the lab companion to PHT 1200 and provides laboratory practice for those skills requiring hands-on experience. Students will perform assessment of medical status through vital signs, performance of safe patient mobility, infection control, prevention of pressure injury, wheelchair fitting and mobility, gait training with the appropriate associated assistive devices, as well as use of modalities such as compression, thermal and cryotherapy. The course format is mainly demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practical exams. Lab fee required. Students must complete this course with a grade of "C" or higher. Corequisites: PHT 1000, PHT 1120, PHT 1120L and PHT 1200.

PHT1213   Modalities

Spring   **2.00 Credits - 3.00 Hours**

This course emphasizes various physical therapy modalities used to treat pain, edema, weakness, wounds and spasm. Modalities presented include ultrasound, electrical stimulation, soft tissue mobilization, compression wrapping, LASER, traction and hydrotherapy. The course format is mainly lecture and discussion. Learning in this course is evaluated via assignments, quizzes and cumulative examinations. Students must complete this course with a grade of "C" or higher. Prerequisites: PHT 1000, PHT 1120, PHT 1120L, PHT 1200, PHT 1200L.

Corequisites: PHT 1213L, PHT 2224, PHT 2224L.

PHT1213L   Modalities Lab

Spring   **2.00 Credits - 12.00 Hours**

This course is the lab companion to PHT 1213 and provides laboratory practice for those skills requiring hands-on experience. Emphasis is placed on safe use of modality equipment as well as monitoring and documenting patient simulator responses to the treatments conducted. The course format is mainly demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practical exams. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: PHT 1000, PHT 1120, PHT 1120L, PHT 1200 and PHT 1200L. Corequisites: PHT 1213, PHT 2224 and PHT 2224L.

PHT1800L Physical Therapy Clinical Experience I

Fall   **6.00 Credits - 16.00 Hours**

This course is the first of two full-time clinical experiences designed to introduce students to the clinical setting. Students will treat patients under the guidance and supervision of a licensed physical therapist or physical therapist assistant. Learning in this course is primarily evaluated with the Clinical Performance Instrument. Lab fee required. Prerequisites: PHT 2228, PHT 2228L, PHT 2289, PHT 2289L, PHT 2310. Corequisites: PHT 2253, PHT 2253L, PHT 2304C

PHT1930C Pre-Clinical Practice I Integration

Summer   **4.00 Credits - 10.00 Hours**

This course integrates all prior PHT course content with an introduction to a broad spectrum of commonly seen medical and surgical conditions and their rehabilitation needs. Common data collection, patient/ caregiver education and interventions are addressed. Also emphasized are precautions, contraindications and possible complications of various interventions. The course format is lecture, discussion and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via quizzes, cumulative examinations and competency-based oral/practical exams. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: PHT 1213, PHT 1213L, PHT 2224, PHT 2224L with a grade of "C" or higher. Corequisite: MAC 1105 or higher level MAC or MAP General Education course..

PHT2162   Neurological Disabilities and Treatments

Spring   **4.00 Credits - 4.00 Hours**

This course is a comprehensive examination of common adult and pediatric neurological disorders. Emphasis is placed upon the etiology, pathology, clinical presentation, medical testing, management, prognosis and rehabilitation of various disorders. The course format is mainly lecture and discussion. Learning in this course is evaluated via quizzes and cumulative examinations. Students must complete this course with a grade of "C" or higher. Prerequisites: PHT 2310, PHT 2810L, PHT 2228 and PHT 2228L with a grade of "C" or higher. Corequisites: PHT 2162L, PHT 2820L and PHT 2931.

PHT2162L Neurological Disabilities and Treatments Lab

Spring   **2.00 Credits - 12.00 Hours**

This course is the lab companion to PHT 2162 and provides laboratory practice for those

skills requiring hands-on experience. Emphasis is placed upon students completing the appropriate data collection, neurorehabilitative techniques and patient/caregiver education required for the treatment of disorders discussed in the lecture portion of the course. Students will develop treatment plans based upon the physical therapist's plan of care/goals, medical reports and the patient response. The course format is mainly demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skills checks and oral/practical exams. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: PHT 2310, PHT 2810L, PHT 2228 and PHT 2228L. Corequisites: PHT 2162, PHT 2931 and PHT 2820L.

PHT2224   Therapeutic Exercise I

Spring   2.00 Credits - 2.00 Hours

This course builds upon the foundation of the musculoskeletal system and introduces common treatments in physical therapy practice. The effects and therapeutic benefits of range of motion, soft tissue stretching, joint mobilization, and muscle strengthening are examined. Considerations requiring treatment modifications are emphasized. The course format is lecture and discussion. Learning in this course is evaluated via assignments, quizzes, and cumulative examinations. Students must complete this course with a grade of "C" or higher. Prerequisites: PHT 1000, PHT 1120, PHT 1120L, PHT 1200 and PHT 1200L. Corequisites: PHT 1213, PHT 1213L and PHT 2224L.

PHT2224L Therapeutic Exercise I Lab

Spring   2.00 Credits - 12.00 Hours

This course is the lab companion to PHT 2224 and provides laboratory practice for those

skills requiring hands-on experience. Emphasis is placed upon range of motion, stretching, joint mobilization, and strengthening techniques. The course format is demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practical exams. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: PHT 1000, PHT 1120, PHT 1120L, PHT 1200 and PHT 1200L. Corequisites: PHT 1213, PHT 1213L and PHT 2224.

PHT2228   Therapeutic Exercise II

Summer   2.00 Credits - 2.00 Hours

This course builds on exercise concepts introduced in Therapeutic Exercise I and integrates knowledge of musculoskeletal and orthopedic dysfunctions. The conservative and post-surgical rehabilitation for specific pathologies is emphasized. The course format is lecture and discussion. Learning in this course is evaluated via quizzes and cumulative examinations. Students must complete this course with a grade of "C" or higher. Prerequisites: PHT 1213, PHT 1213L, PHT 2224, PHT 2224L with a grade of "C" or higher. Corequisites: PHT 2228L, PHT 2289, PHT 2289L, PHT 2310.

PHT2228L Therapeutic Exercise II Laboratory

Fall   2.00 Credits - 6.00 Hours

This course is the lab companion to PHT 2228 and provides laboratory practice for those skills requiring hands-on experience. Emphasis is placed upon students completing the appropriate data collection, interventions and patient/caregiver education required for the treatment of disorders discussed in the lecture portion of this course. Students will develop treatment plans based upon the physical therapist's plan of care/goals, medical

reports and the patient response. The course format is mainly demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practical exams. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisite: PHT 1213, PHT 1213L, PHT 2224, PHT 2224L with a grade of "C" or higher. Corequisites: PHT 2228, PHT 2289, PHT 2289L, PHT 2310.

PHT2253   Neurological Conditions and Treatment I

Fall   2.00 Credits - 4.00 Hours

This course is a comprehensive examination of common adult neurological disorders. Emphasis is placed upon the etiology, pathology, clinical presentation, medical testing, management, prognosis and neurorehabilitation techniques for cerebral vascular accidents, cerebellar disorders and other balance disorders. Normal pediatric sensorimotor development is reviewed. The course format is lecture and discussion. Learning in this course is evaluated via assignments, projects, quizzes and cumulative examinations. Prerequisite: PHT 2228, PHT 2228L, PHT 2289, PHT 2289L, PHT 2310 with a grade of "C" or higher; Corequisite: PHT 1800L, PHT 2253L, PHT 2304C.

PHT2253L Neurological Conditions and Treatment I Lab

Fall   1.00 Credit - 6.50 Hours

This course is the lab companion to PHT 2253 and provides laboratory practice for those skills requiring hands-on experience. Emphasis is placed upon students completing the appropriate data collection, neurorehabilitative techniques and patient/caregiver education required for the treatment of disorders discussed in the lecture portion of the course. Students will develop interventions

based upon the physical therapist's plan of care/goals, medical reports and the patient response. The course format is demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practical exams. Lab fee required. Prerequisites: PHT 2228, PHT 2228L, PHT 2289, PHT 2289L, PHT 2310 with a grade of "C" or higher. Corequisite: PHT 1800L, PHT 2253, PHT 2304C.

PHT2255   Neurological Conditions and Treatment II

Spring   2.00 Credits - 4.00 Hours

This course is a comprehensive examination of common adult and pediatric neurological disorders. Emphasis is placed upon the etiology, pathology, clinical presentation, medical testing, management, prognosis, and neurorehabilitation techniques for various disorders including, but not limited to, multiple sclerosis, Parkinson's disease, traumatic brain and spinal cord injuries, upper and lower motor neuron disorders, ALS, and pediatric neurological disorders. The course format is lecture and discussion. Learning in this course is evaluated via assignments, projects, quizzes and cumulative examinations. Prerequisite: PHT 1800L, PHT 2253, PHT 2253L, PHT 2304C with a grade of "C" or higher. Corequisites: PHT 2255L, PHT 2307, PHT 2810L, PHT 2931.

PHT2255L Neurological Conditions and Treatment II Lab

Spring   1.00 Credit - 1.00 Hour

This course is the lab companion to PHT 2255 and provides laboratory practice for those skills requiring hands-on experience. Emphasis is placed upon students completing the appropriate data collection, neurorehabilitative techniques and patient/

caregiver education required for the treatment of disorders discussed in the lecture portion of the course. Students will develop interventions based upon the physical therapist's plan of care/goals, medical reports and the patient response. The course format is demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practical exams. Lab fee required. Prerequisite: PHT 1800L, PHT 2253, PHT 2253L, PHT 2304C with a grade of "C" or higher. Corequisites: PHT 2255, PHT 2307, PHT 2810L, PHT 2931.

PHT2289   Cardiopulmonary Rehabilitation

Summer   **1.00 Credit - 1.00 Hour**

This course is a comprehensive examination of the role of the cardiopulmonary system on physical therapy practice. Common pathologies, treatments, medications, lab values, imaging, and necessary treatment modifications for the cardiovascular, respiratory, and hematologic systems are discussed. The course format is lecture and discussion. Learning in this course is evaluated via assignments, projects, quizzes, and cumulative examinations. Lab fee required. Prerequisites: PHT 1213, PHT 1213L, PHT 2224 and PHT 2224L with a grade of "C" or higher. Corequisites: PHT 2228, PHT 2228L, PHT 2289L, PHT 2310.

PHT2289L Cardiopulmonary Rehabilitation Lab

Summer   **1.00 Credit - 2.00 Hours**

This course is the lab companion to PHT 2289 and provides laboratory practice for those skills requiring hands-on experience. Emphasis is placed on mobilizing patients with various cardiac precautions, auscultating heart and lung sounds, airway clearance, and interpreting and responding to

electrocardiogram abnormalities. The course format is demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practice exams. Lab fee required. Prerequisites: PHT 1213, PHT 1213L, PHT 2224 and PHT 2224L with a grade of "C" or higher. Corequisite: PHT 2228, PHT 2228L, PHT 2289, PHT 2310.

PHT2304C Pathophysiology I

Fall   **2.00 Credits - 3.00 Hours**

This course includes the pathologies, treatment modifications, pertinent medications, lab values and imaging for multiple body systems including, but not limited to, immune, integumentary, lymphatic and male reproductive. Additionally, non-system diagnosis including oncology and pertinent genetic/developmental disorders are examined. Lab demonstrations and practice will include wound care treatments such as pulsed lavage, sterile technique, wound dressings, wound cleansing, electrical stimulation, ultrasound, laser compression garments, edema pumps, edema measurement and compete decongestive therapy. Learning in this course is evaluated via assignments, projects, quizzes, cumulative exams, competency-based skill checks and oral/practical exams. Prerequisites: PHT 2228, PHT 2228L, PHT 2289, PHT 2289L, PHT 2310 with a grade of "C" or higher. Corequisite: PHT 1800L, PHT 2253, PHT 2253L.

PHT2307   Pathophysiology II

Spring   **1.00 Credit - 2.00 Hours**

This course includes the pathologies treatment modifications, pertinent medications, lab values, and imaging for multiple body systems including, but not limited to, endocrine, renal, gastrointestinal, hepatic, metabolic and women's reproductive health considerations.

The course format is lecture and discussion. Learning in this course is evaluated via assignments, projects, quizzes and cumulative examinations. Prerequisite: PHT 1800L, PHT 2253, PHT 2253L, PHT 2304C with a grade of "C" or higher. Corequisite: PHT 2255, PHT 2255L, PHT 2810L, PHT 2931.

PHT2310   Orthopedic Conditions and Treatment

Fall   2.00 Credits - 2.00 Hours

This course emphasizes the etiology, pathology, clinical presentation, prognosis and general medical management of a variety of musculoskeletal, cardiopulmonary, integumentary, metabolic and other system disorders most commonly seen in physical therapy practice. Medical management, including lab values, imaging, pharmacology and their significance and consideration in treatment is emphasized. The course format is mainly lecture and discussion. Learning in this course is evaluated via quizzes and cumulative examinations. Students must complete this course with a grade of "C" or higher. Prerequisite: PHT 1213, PHT 1213L, PHT 2224, PHT 2224L with a grade of "C" or higher. Corequisites: PHT 2228, PHT 2228L, PHT 2289, PHT 2289L.

PHT2810L Physical Therapy Clinical Experience II

Spring   6.00 Credits - 16.00 Hours

This course is the second of two full-time clinical experiences designed to prepare students for entry-level clinical practice. Students will treat patients under the guidance and supervision of a licensed physical therapist or a physical therapist assistant. Learning in this course is primarily evaluated with the Clinical Performance Instrument. Prerequisite: PHT 1800L, PHT 2253, PHT 2253L, PHT 2304C with a grade of "C" or higher. Corequisites: PHT 2255, PHT 2255L,

PHT 2307, PHT 2931.

PHT2820L Physical Therapy Clinical Practice III

Spring   4.00 Credits - 9.00 Hours

This course is the last of three full-time clinical experiences designed to prepare students for entry-level clinical practice. Students will treat patients under the guidance and supervision of a licensed physical therapist or physical therapist assistant. Learning in this course is primarily evaluated with the Clinical Performance Instrument. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: PHT 2228, PHT 2228L, PHT 2310 and PHT 2810L with grades of "C" or higher. Corequisites: PHT 2162 and PHT 2162L.

PHT2901   Directed Studies in Physical Therapy

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is scheduled for the individual student who wishes to explore additional topics within the discipline.

PHT2902   Directed Studies in Physical Therapy

**Fall, Spring,   2.00 Credits - 2.00
Summer   Hours**

This course is scheduled for the individual student who wishes to explore additional topics within the discipline.

PHT2903   Directed Studies in Physical Therapy

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course is scheduled for the individual student who wishes to explore additional topics within the discipline.

PHT2904   Directed Studies in Physical Therapy

Fall, Spring, Summer   **4.00 Credits - 4.00 Hours**

This course is scheduled for the individual student who wishes to explore additional topics within the discipline.

PHT2931   Trends in Physical Therapy

Spring   **2.00 Credits - 2.00 Hours**

This course guides the physical therapist assistant student in the transition from student to licensed PTA. The course emphasizes Florida laws and administrative code regarding physical therapy. Students will also learn test-taking strategies for the national PTA licensing examination. The course also involves self-examination of behaviors, strengths, weaknesses and practice constraints in clinical settings within the scope of legal, ethical, professional and practice parameters that have been set for the profession of physical therapy. The course format is mainly lecture and discussion. Learning in this course is evaluated via online discussions, presentations, quizzes and cumulative examinations. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: PHT 1800L, PHT 2253, PHT 2253L, PHT 2304C with a grade of "C" or higher. Corequisites: PHT 2255, PHT 2255L, PHT 2307, PHT 2810L.

PHY1020   Physics of Everyday Phenomena

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is for non-science majors.

Fundamental concepts of physics with application of everyday experiences are covered. Topics include kinematics, mechanics, electricity and magnetism and special topics. This course is designed to give the student a working knowledge of the physical factors in our environment. This course satisfies the General Education State Core Science requirement for degree seeking students.

PHY1020L   Physics of Everyday Phenomena Lab

Offered as Needed   1.00 Credit - 3.00 Hours

This course is a laboratory complement of PHY 1020. Experiments will be selected to illustrate and reinforce the physics concepts introduced in the Conceptual Physics class. Lab fee required. Corequisite: PHY 1020.

PHY1053   General Physics I

Offered as Needed   3.00 Credits - 3.00 Hours

This course contains a descriptive and quantitative study of kinematics, mechanics, energy and application of mechanics. This course meets the requirements for professional and technical students needing an algebra-based physics course. This course satisfies the General Education State Core Science requirement for degree seeking students. Prerequisite: MTB 1329 with a grade of "C" or higher or pre/corequisite of MAC 1114 or higher level mathematics course with a grade of "C" or higher.

PHY1053C General Physics I

Fall, Spring, Summer   **4.00 Credits - 6.00 Hours**

This course contains a descriptive and quantitative study of kinematics, mechanics, energy and applications of mechanics. This

course meets the requirements for professional and technical students needing an algebra-based physics course. Lab fee required. This course satisfies the General Education State Core Science requirement for degree seeking students. Prerequisite: MTB 1329 with a grade of "C" or higher or pre/corequisite of MAC 1114 or higher level mathematics course with a grade of "C" or higher.

PHY1053L General Physics Laboratory

Fall   **1.00 Credit - 3.00 Hours**

This course is the same laboratory as contained in PHY 1053C. Topics covered include mechanics, harmonic motion and sound. This course is intended for students who are currently taking an advanced placement physics lecture course and will take this course as dual enrollment. Prerequisite: MAT 1033 or higher level mathematics course.

PHY1054C General Physics II

Fall, Spring, Summer   **4.00 Credits - 6.00 Hours**

This course contains the descriptive and quantitative study of electricity, magnetism and applications of electromagnetism. This course meets the requirements for professional and technical students needing an algebra-based physics course. Lab fee required. Prerequisites: PHY 1053C with a grade of "C" or higher and MTB 1329 or MAC 1114 or higher level mathematics course with a grade of "C" or higher.

PHY1054L General Physics Laboratory

Spring   **1.00 Credit - 3.00 Hours**

This course is the same laboratory as contained in PHY 1054C. Topics covered include electricity, magnetism, optics and

heat. This course is intended for students who are currently taking an advanced placement physics lecture course and will take this course as dual enrollment. Prerequisite: MAT 1033 or higher level mathematics course.

PHY2048C Physics with Calculus I

Fall, Spring   **4.00 Credits - 7.00 Hours**

This physics course is designed for science, engineering and mathematics majors. Topics studied are kinematics, mechanics and applications of mechanics. Lab fee required. This course satisfies the General Education State Core Science requirement for degree seeking students. Prerequisite: MAC 2311 or higher level mathematics course with a grade of "C" or higher or sufficient score on placement test.

PHY2048CHHonors Physics with Calculus I

Fall, Spring   **4.00 Credits - 7.00 Hours**

This honors physics course is designed for science, engineering and mathematics majors. Topics studied are kinematics, mechanics and applications of mechanics. Lab is included. Lab fee required. This course satisfies the General Education State Core Science requirement for degree seeking students. Prerequisite: Acceptance into Honors program. Corequisites: IDH 2300 and MAC 2311.

PHY2048L Physics with Calculus Laboratory

Fall   **1.00 Credit - 3.00 Hours**

This course is the same laboratory as contained in PHY 2048C. Topics covered include mechanics, harmonic motion and sound. This course is intended for students who are currently taking an advanced placement physics with calculus lecture course and will take this course as dual enrollment. Prerequisite or corequisite: MAC 2311 or higher

level mathematics course.

PHY2049C Physics with Calculus II

Fall, Spring   **4.00 Credits - 7.00 Hours**

This physics course is designed for science, engineering and mathematics majors. Topics studied include electricity, magnetism and topics of electromagnetism. Lab fee required. Prerequisite: PHY 2048C with a grade of "C" or higher.

PHY2049CHHonors Physics with Calculus II

Fall, Spring   **4.00 Credits - 7.00 Hours**

This honors physics course is designed for science, engineering and mathematics majors. Topics studied include electricity, magnetism and topics of electromagnetism. Lab fee required. Prerequisites: PHY 2048C or PHY 2048CH with a grade of "C" or higher and acceptance into the Honors Program or permission from the Honors Director. Corerequisite: IDH 2301.

PHY2049L Physics with Calculus Laboratory

Spring   **1.00 Credit - 3.00 Hours**

This course is the same laboratory as contained in PHY 2049C. Topics covered include electricity, magnetism, optics and heat. This course is intended for students who are currently taking an advanced placement physics with calculus lecture course and will take this course as dual enrollment. Prerequisite or corequisite: MAC 2311 or higher level mathematics course.

PHY2253L Neurological Conditions and Treatment I Lab

Fall   **1.00 Credit - 6.50 Hours**

This course is the lab companion to PHT 2253 and provides laboratory practice for those skills requiring hands-on experience. Emphasis is placed upon students completing the appropriate data collection, neurorehabilitative techniques and patient/caregiver education required for the treatment of disorders discussed in the lecture portion of the course. Students will develop interventions based upon the physical therapist's plan of care/goals, medical reports and the patient response. The course format is demonstration and practice of psychomotor skills in the lab environment with the use of patient simulators. Learning in this course is evaluated via competency-based skill checks and oral/practical exams. Lab fee required.

PHY2941   Internship in Physics

Offered as Needed   **1.00 Credit - 1.00 Hour**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PHY2949   Internship in Physics

Offered as Needed   **3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PLA1003   Fundamental Law

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course will provide an understanding of the rationale of the laws that affect the student every day. This is a survey course in which the student will study a variety of substantive areas of the law and legal principles, utilizing critical thinking and examining challenging issues.

PLA1104   Legal Research and Writing I

Spring   **4.00 Credits - 4.00 Hours**

The student who successfully completes this course should have a knowledge of law sources and experience with their use. The student will learn the basics of legal research and perform research in the principle sources of law, including cases, statutes, constitutions, court rules and administrative regulations. The student will also accomplish research in secondary authorities, execute proper legal

citations and participate in the high technology of legal research. Lab fee required. Prerequisites: ENC 1101, PLA 1003 and BUL 2241 or PLA 2273 with a grade of "C" or higher.

PLA2114   Legal Research and Writing II

Fall   **3.00 Credits - 3.00 Hours**

This course provides students with the methods, techniques and procedures for the research and preparation of legal memoranda, trial and appellate briefs and other forms of legal documents. The student who successfully completes this course should have the ability to render argument in forceful, lucid prose and to understand the values of adversarial and objective writing. The student will understand the basics of the American legal system, appreciate that judicial decision-making is not always to be emulated and distinguish between legal traditions which are both valued links and hindrances to writing. Lab fee required. Prerequisite: PLA 1104.

PLA2203   Civil Litigation

Spring   **3.00 Credits - 3.00 Hours**

This course is a study of the principles of litigation and the rules of procedure for federal and Florida courts, including pleadings and practice. The student who successfully completes this course will understand the organization and structure of the civil litigation system and appreciate the different judicial forums. The student will develop an understanding of the litigation process, its goals, the rules of procedure and the constitutional provisions which influence the litigation process. Lab fee required. Prerequisites: PLA 1003, PLA 2273 and ENC 1101 with a grade of "C" or higher.

PLA2222   Civil Discovery

Spring   **3.00 Credits – 3.00 Hours**

This course explores the rules and methods of discovery ranging from depositions to the evolving area of electronic discovery. The student who successfully completes this course will have the ability to obtain discovery that is relevant to the subject matter of a pending case. The course will provide the student with the ability to use the rules and methods of discovery to conduct the investigative stage of a case prior to trial. Techniques will be developed for obtaining discovery through written interrogatories, requests for production of documents or things, requests for admission, physical and mental examinations and depositions. Prerequisite: PLA 2303.

PLA2223   Civil Litigation Procedures II

Spring   **3.00 Credits – 3.00 Hours**

This course is a continuation of the study of the principles of litigation and the rules of procedure for federal and Florida courts, including pleadings, practice and discovery. The student who successfully completes this course will have hands-on experience in the gathering and preparation of evidentiary materials, drafting of legal documents and courtroom presentation and procedures. Students are divided into litigation teams and prepare for and participate in mock trial events. Lab fee required. Prerequisite: PLA 2203.

PLA2227   Trial Practice

Fall, Spring   **3.00 Credits – 3.00 Hours**

The course will require students to apply the rules of civil trial litigation as it is practiced in Florida with an emphasis on the practical aspects of litigation. Students will learn how to prepare for a trial and how to assist an attorney in handling a civil matter from initial interview through the trial. Class culminates with a staged trial.

PLA2273   Torts

Fall, Spring   **3.00 Credits – 3.00 Hours**

This course is a study of the various classifications and functions of tort law, including intentional and negligent torts, causation, proximate cause and defenses. The student who successfully completes this course will develop an understanding of the elements of tort causes of action and the legal defenses to such causes of action. The student will examine the practical aspects and issues involved in personal injury law, understand the asserting of legal claims, recognize appropriate remedies and draft related documents.

PLA2303   Criminal Litigation

Spring   **3.00 Credits – 3.00 Hours**

This course includes a study of the definition and classification of criminal offenses, the principles of criminal responsibility and the legal procedures in a criminal prosecution. The student who successfully completes this course will have an understanding of the elements of crimes, have performed hands-on research, have drafted documents and have participated in oral trial presentations regarding a hypothetical criminal case.

PLA2413   Intellectual Property

Fall, Spring   **3.00 Credits – 3.00 Hours**

Intellectual property, often known as IP, allows people to own their creativity and innovation in the same way that they can own physical property. The course is divided into the four areas of intellectual property law which include trademark, copyright, patent and trade secrets. For each area, the course

will aim to cover the statutory bases, as well as discuss key doctrines and cases. Finally, the course will expose each student to the practical considerations faced by those working in related legal fields. The student will explain the filing process, filing systems, and the typical life cycle of a case for each area of intellectual property. Common litigation causes of action and remedies will also be discussed.

PLA2483   Administrative Law

Spring   3.00 Credits - 3.00 Hours

This course defines administrative law, explains the creation and structure of federal and state administrative agencies, explores agency discretion, scrutinizes rules and regulations and studies investigations. The student who successfully completes this course will understand the representation of citizens at agency hearings and proceedings, be able to research agency statutory and case law, be able to communicate agency procedures to clients and be able to articulate the concept of judicial review as applicable to agency decisions. Prerequisite or corequisite: BUL 2241 or PLA 1003.

PLA2600   Wills, Trusts and Estate Administration

Summer   3.00 Credits - 3.00 Hours

This course includes a detailed study of testacy and intestacy, preparation of wills and codicils, fundamentals of execution and probate administration. The student who successfully completes this course will understand and apply the legal requirements for the proper preparation, execution and probate of wills and trust instruments. Students will understand the types of estates under Florida Law/the Uniform Probate Code and how to complete the necessary forms to accomplish the probate goal of marshalling assets, identifying legal creditors and paying

legal claims and distributing probate assets.

PLA2610   Real Property I

Fall   3.00 Credits - 3.00 Hours

This course includes an overview of property law in general and Florida law in particular. Students who complete this course will demonstrate a knowledge of real property law and its application to real property transactions. Students will understand the mechanics of various commercial and private property transactions and mortgage foreclosures. Students will appreciate the theories/concepts of legal descriptions, ownership, title searches, acquiring and transferring, appraising, financing, closing, leasing, condominiums and cooperatives, environmental law, taxation, ethics and drafting appropriate legal documents.

PLA2612   Real Property II

Fall   3.00 Credits - 3.00 Hours

This course includes an overview of intermediate real estate law topics with a specific emphasis on real property transactions in Florida. Students who complete this course will understand the fundamental concepts underlying a real estate closing, including the issuance of title insurance commitments, policies and endorsements and various federal and state regulations that affect real estate closings. Students will appreciate the concepts of title examination, encumbrances and adverse matters, title insurance, water rights, the Real Estate Settlement Procedures Act (RESPA), the Foreign Investment in Real Property Tax Act (FIRPTA), Florida homestead and the Marketable Record Title Act. Prerequisite: PLA 2610.

PLA2614   Real Property Transactions

Spring   **3.00 Credits - 3.00 Hours**

This course is largely transaction and problem-oriented. This course will discuss problems involving real estate transactions under Florida law, including real estate contracts, parties to Florida transactions, financing, property descriptions and settlement statements. This course trains students in the use of the Attorneys' Title Insurance Database System for completing title examinations and updates and the E-Closing DT closing software program. Prerequisites: PLA 2610 and PLA 2612.

PLA2700   Professional Responsibility

Spring   **3.00 Credits - 3.00 Hours**

This course will provide the student with an opportunity to examine and evaluate the ethical obligations and professional responsibilities of a legal assistant. The student who successfully completes this course will have a basic understanding of ethical legal conduct, a thorough comprehension of the importance of ethics to the law, a solid understanding of the major issues in ethics and the rules governing those issues and the ability to apply that developing ethical sensitivity and knowledge to a variety of hypothetical and real-life situations.

PLA2730   Computer Assisted Legal Research

Summer   **3.00 Credits - 3.00 Hours**

This course prepare students to conduct online research using a variety of full-service, low-cost and free modalities and databases including, but not limited to, Lexis, Westlaw, Bloomberg Law, LoisLaw, Fastcase, Versuslaw, Casemaker, Casetext, Ravel, Google and Bing. Students should develop competencies with respect to natural language and searches using terms and connectors. Students who successfully complete this course will be able

to search effectively using key numbers and headnotes, Shepherds and Keycite and their various equivalents. Students will learn to narrow and focus searches using subject matter and procedural terms, specific dates and time-frames, courts, attorneys and parties. In addition, students will learn to perform non-legal research (using business and academic databases) to support legal claims, defenses and typical law office activities. With frequent guests from the local legal community, this entry-level class offers hands-on experience working through basic real-world legal research challenges. Prerequisite or corequisite: PLA 1003.

PLA2763   Law Office Management and Technology

Summer   **3.00 Credits - 3.00 Hours**

This course will prepare the student for responsibilities associated with the management of a law office. The student will examine the structure of a law office, time and records management, billing methods, technology and computers, administrative procedures, client relations, office operating procedures and professionalism in the workplace. The student who successfully completes this course will understand the practical and ethical issues of law office organization and functions through the visitation to a law firm/agency, interviewing of employees and preparation of oral and written reports.

PLA2800   Family Law

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course includes an examination of general and Florida laws of marriage, divorce, annulment, separation, adoption, custody, legitimacy, support, guardianship and the juvenile. The student who successfully completes this course will have a basic knowledge of what family law is and the skills

to use that knowledge to apply legal standards and draft documents used in the practice of family law.

PLA2820   Entertainment Law

Fall, Spring   3.00 Credits - 3.00 Hours

This course will provide a basic grasp of the origins, meaning, and application of various laws prevalent in fields of entertainment. Students should acquire sufficient grasp to anticipate legal issues in preparing and evaluating contracts, and to recognize legal issues when they arise in the course of business. Successfully completing the class does not mean that one can dispense with a lawyer; rather, it is likely to make the student a more effective client, better able to ask meaningful questions and to make sense of the answers. Prerequisites: BUL 2241 or BUL 2240.

PLA2841   Immigration Law

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course deals with the law of immigration within the United States. The course will focus on immigrants and the different categories of non-immigrants and the various laws that must be followed to visit the U.S. from abroad or gain permanent resident status. Immigration law is a form-based area of law. As such, we will identify and complete the various forms that are used in the immigration process. Students will identify the vocabulary often used in immigration cases, practice preparing various types of immigration forms and develop an understanding of how to deal with the immigration client.

PLA2930   Selected Studies in Law

Spring, Summer   3.00 Credits - 3.00 Hours

In this course topics of current interest and

other areas of law are presented in group instruction. This course may be taken four times for credit.

PLA2935   Selected Studies in Law

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

In this course topics of current interest and other areas of law are presented in group instruction. This course may be taken three times for credit.

PLA2939   Selected Studies in Law

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest and other areas of law are presented in group instruction. This course may be taken four times for credit.

PLA2940   Real Estate Law Practicum

Spring   2.00 Credits - 2.00 Hours

Students will perform duties for various real estate attorneys engaged in transactional practices. Typical duties will include providing legal and administrative support to the assigned attorney, coordinating communications and activities between the assigned attorney and clients, working with clients, the assigned attorney, title examiners, and underwriting counsel to coordinate, track, and follow-up on orders, assist with legal research, preparation of documents and other paralegal related activities required to support clients. Other duties may include preparing closing documents, ancillary documents, title-related affidavits, and policies and endorsements, attending to title curative matters and identifying requirements of survey exceptions. Additional duties may include preparing and issuing title policies, e-recordings, disbursements; providing reports as needed, providing specialized services and

support to clients, tracking and maintaining client lists and overseeing and creating invoices. Prerequisites: PLA 2610 and PLA 2612 Corerequisite: PLA 2614.

PLA2941   Internship in Legal Assisting

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: Student must have a degree plan of LEGAL-AS, must have successfully completed PLA 1104, PLA 2114 (PLA 2114 may be taken as a corequisite), PLA 2203 with grades of "C" or higher, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PLA2942   Internship in Legal Assisting

Fall, Spring, Summer   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: Student must have a degree plan of LEGAL-AS, must have

successfully completed PLA 1104, PLA 2114 (PLA 2114 may be taken as a corequisite), PLA 2203 with grades of "C" or higher, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PLA2944   Internship in Legal Assisting

Fall, Spring, Summer   4.00 Credits - 4.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: Student must have a degree plan of LEGAL-AS, must have successfully completed PLA 1104, PLA 2114 (PLA 2114 may be taken as a corequisite), PLA 2203 with grades of "C" or higher, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PLA2949   Internship in Legal Assisting

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to,

seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: Student must have a degree plan of LEGAL-AS, must have successfully completed PLA 1104, PLA 2114 (PLA 2114 may be taken as a corequisite), PLA 2203 with grades of "C" or higher, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

PLA2950   Certified Paralegal Exam Review

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course prepares students for the NALA Certified Paralegal examination by providing a comprehensive review of the material included on the exam with emphasis on the areas currently tested. The course will include practice examinations designed to prepare students for the actual exam. The course is open to anyone preparing to take the Certified Paralegal Exam or interested in obtaining a general overview of various legal disciplines.

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*   Welding 1 PMT0070C

Fall   **3.00 Credits - 90.00 Hours**

This course encompasses the application of various cutting principles and practices. Areas of study include oxy fuel and plasma arc cutting. Students will also gain knowledge of shielded metal arc welding (SMAW). Prerequisite: PMT 0122C

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*   Welding 2 PMT0071C

Fall   **3.00 Credits - 90.00 Hours**

This course encompasses the application of visual examination skills. Areas of study include examining cut surfaces and edges of prepared base metal parts, examining the tack, intermediate pass, and cover pass. Students will also gain practical knowledge of tack, intermediate pass, cover passes, and examining the different stages, as well as what makes a good welding surface and edge.

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*   Welding 3 PMT0072C

Fall   **3.00 Credits - 90.00 Hours**

This course encompasses the application of basic and intermediate shielded metal arc welding (SMAW), basic and intermediate oxy-fuel cutting principles, and plasma arc cutting. Areas of study include creating fillet welds, the positions on plain carbon steel, understanding WPS and PQR, and operating manual oxy-fuel cutting equipment. Students will also gain practical knowledge of how to set up manual oxy-fuel cutting equipment to cut plain carbon steel, remove weld metal on plain carbon steel, and perform shape cutting operations using a plasma arc cutting process.

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*   Welding 4 PMT0073C

Spring   **3.00 Credits - 90.00 Hours**

This course encompasses the application of basic and intermediate shielded metal arc welding (SMAW) and the application of basic and intermediate oxyfuel cutting principles and practices. Areas of study include making single "V" groove welds on plain carbon steel and performing 1G to 2G limited thickness qualification (bend) test. Students will also gain knowledge on how to perform 1G-2G limited thickness qualification (bend) test and perform straight cutting operations with an oxy-fuel cutting torch.

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*   Welding 5

PMT0074C

Spring   **3.00 Credits - 90.00 Hours**

This course encompasses the application of shielded metal arc welding (SMAW) and the application of basic and intermediate oxy-fuel cutting principles and practices. Areas of study include performing 3G-4G limited thickness qualification (bend) test and performing bevel cutting operations. Students will also gain knowledge on how to perform 3G-4G limited thickness qualification (bend) test and perform destructive root and face bend specimens.

*   **Welding 6**
PMT0102C

Fall   **3.00 Credits - 90.00 Hours**

This course encompasses the application of shielded metal arc welding (SMAW) and basic to intermediate gas metal arc welding (GMAW) skills. Areas of study include how to set up a gas metal arc welding operation for carbon steel, how to setup GMAW equipment. Students will also gain knowledge on how to make short-circuiting transfer fillet welds, pad welds, and 1G groove spray transfer welds on plain carbon steel.

*   **Welding 7**
PMT0107C

Spring   **3.00 Credits - 90.00 Hours**

This course encompasses the application of shielded metal arc welding (SMAW) and basic to intermediate flux-core arc welding (FCAW) skills. Areas of study include Safety protocols for flux-cored arc welding equipment, operating flux cored arc welding equipment, and the self-shielded process. Students will also gain knowledge on how to set up for plain carbon steel operations using the FCAW system and to make fillet and groove welds in

all positions on plain carbon steel.

*   **Introduction to Welding**
PMT0108

Fall, Summer   **3.00 Credits - 90.00 Hours**

This introductory course provides fundamentals of the welding industry, such as basic industrial and manufacturing processes, welding techniques and applications, metal identification and properties and the interpretation of welding drawings and symbols. The course will familiarize students with the history of welding, career opportunities and requirements of a professional welder. An emphasis will be placed on welding safety and the use of maintenance of equipment. This course must be completed with a grade of "C" or higher. Prerequisites: BCV 0011C and BCV 0040 with a grade of "C" or higher. Coerequisite: PMT 0930L.

*   **Welding 8**
PMT0121C

Summer   **3.00 Credits - 90.00 Hours**

This course encompasses the application shielded metal arc welding (SMAW) and basic gas Tungsten arc welding (GTAW) skills. Areas of study include how to operate GTAW equipment, and how to set up GTAW operation for carbon steel, aluminum, and stainless steel. Students will also gain knowledge on how to perform external inspections of GTAW equipment and accessories and to make fillet welds on plain carbon steel.

*   **Welding Workplace Safety Skills**
PMT0122C

Fall   **3.00 Credits - 90.00 Hours**

This course encompasses an understanding and the application of workplace safety and

organization skills. Areas of study include knowledge of machinery and equipment safety functions, knowledge of material handling, techniques to safely move materials and the selection/use of personal protective equipment. Students will also gain knowledge in the Occupational Safety Health Administration (OSHA) by obtaining their OSHA 10 certification.

***   Welding 9
PMT0126C**

Summer   3.00 Credits - 90.00 Hours

This course encompasses the application shielded metal arc welding (SMAW) and basic to intermediate gas tungsten arc welding (GTAW) skills. Areas of study include how to create fillet welds in all positions on plain carbon steel. Students will also gain knowledge on how to perform lap joints 3F-4F and V-groove joints 2F-4F.

***   Welding 10
PMT0131C**

Summer   3.00 Credits - 90.00 Hours

This course encompasses the application of shielded metal arc welding (SMAW) and demonstrate pipe welding principles and practices. Areas of study include researching opportunities associated with advanced welding skills. Students will also gain knowledge on career opportunities in the field of welding.

***   Welding 11
PMT0134C**

Summer   2.00 Credits - 60.00 Hours

This course encompasses the final welding certification test which include: AWS certified welder-FCAW Plate (AWELD003), AWS certified welder-GMAW Plate (AWELD004),

AWS certified welder-SMAW Plate (AWELD012) and AWS certified welder-GTAW Plate (AWELD008).

***   Welding Skills Development Lab
PMT0930L**

Fall, Spring, Summer   3.00 Credits - 90.00 Hours

Upon successful completion of the defined augmented reality system milestones in co-requisite course(s), students will further develop hands-on experience with welding techniques, positions and applications in a laboratory setting. This course may be repeated up to five times to acquire the necessary lab hours required to complete the certificate program. This course must be completed with a grade of "C" or higher. Lab fee required. Prerequisites: BCV 0011C and BCV 0040 with a grade of "C" or higher. Corequisites: PMT 0108, PMT 0070, PMT 0071, PMT 0072 or PMT 0073.

POS2041   U.S. Federal Government

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

In this course basic aspects of the federal government are studied. Emphasis is placed upon content and interpretation of the Constitution, Federalism, the Congress, the Presidency, the federal court system and the citizen's connection to the federal government by means of elections, political parties, interest groups and public opinion. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Social Science/History requirement for A.A. degree seeking students and the Florida state civic literacy requirement per Florida Statues Section 1007.25 for all students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college

developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

POS2041H Honors U.S. Federal Government

Spring   **3.00 Credits - 3.00 Hours**

In this course, basic aspects of the federal government are studied. Emphasis is placed upon content and interpretation of the Constitution, Federalism, the Congress, the Presidency, the federal court system and the citizen's connection to the federal government by means of elections, political parties, interest groups and public opinion. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Social Science/History requirement for A.A. degree seeking students and the Florida state civic literacy requirement per Florida Statues Section 1007.25 for all students. Prerequisite: Acceptance into Honors Program or permission from director. Prerequisite or corequisite: ENC 1101 or ENC 1101H.

POS2112   State and Local Government

Fall, Spring,   **3.00 Credits - 3.00**
Summer   **Hours**

In this course, functions of state, county and city governments are studied. Emphasis is placed upon constitutions, political parties, politics, legislatures, courts, chief executives and interrelationships between federal and state governments and metropolitan problems. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

POS2949   Cooperative Education Internship in Government

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and ENC 1101. Corequisite: ENC 1101.

POT2002   Political Theory

Spring   **3.00 Credits - 3.00 Hours**

The basic principles of political thought are studied in this course. Students will examine the state and the relationship between the individual and the state. Topics such as authority, consent, obligation, freedom, order, equality, justice and democracy. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

POT2002H Honors - Political Theory

Spring   **3.00 Credits - 3.00 Hours**

The basic principles of political thought are studied in this course. Students will examine the state and the relationship between the individual and the state. Topics such as authority, consent, freedom and obligation are examined. Honors level content. Permission required from Honors director. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisites: Acceptance into Honors program. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

POT2301   Political Ideology – Introduction

Fall   **3.00 Credits - 3.00 Hours**

This course includes a comparative survey of the social, political, economic and historical tenets and developments of contemporary political ideologies. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

POT2930   Selected Studies in Political Theory

Fall, Spring, Summer   1.00 Credit – 1.00 Hour

This course is designed for those students studying specialized topics in the area of political theory.

POT2931   Selected Studies in Political Theory

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course is designed for those students studying specialized topics in the area of political theory.

POT2932   Selected Studies in Political Theory

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is designed for those students studying specialized topics in the area of political theory.

POT2950   Travel/Study in Political History and Thought

Offered as Needed   3.00 Credits – 3.00 Hours

This travel/study course combines preparation on campus, foreign travel and study abroad in the discipline of political history and/or thought. Variable content depending on the program in which the student enrolls and the specific topics to be covered. Permission of instructor or dean is required. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

PPE2001   Psychology – Introduction to Personality

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course explores the major theoretical perspectives to personality theory, including psychodynamic, trait, biological, humanistic, behavioral and cognitive systems. The course will also evaluate practical applications for the areas of counseling, business, education, vocational skills and personal growth. This

course partially satisfies the writing requirement of S.B.E. 6A-10.030.

PSC2521   Sustainability: Concepts and Issues

Fall, Spring   3.00 Credits - 3.00 Hours

This course is an overview of local, regional and global sustainability with the goal of helping students recognize and engage with the interplay between environmental, socio-cultural and economic forces that affect our ability to achieve sustainability. Topics will include the science of climate change, pollution, environmental ethics and politics, renewable energy and sustainability in the built environment.

PSY2012   General Psychology

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This is an introductory course which surveys the scientific study of behavior and mental processes known as psychology. This course will focus on the major categories identified by the American Psychological Association which are: Biological, Cognitive, Development, Social and Personality, and Mental and Physical Health. These categories will encompass topics such as learning, motivation, emotions, personality, abnormal behavior, treatment and therapy options, and an introduction to research methods. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Some sections of PSY 2012 have service-learning components. Please refer to class notes in schedule of classes for details. This course satisfies the General Education State Core Social Science/History requirement for degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP

coursework for ENC 1101 eligibility with grades of "C" or higher.

PSY2012H General Psychology Honors

Fall   3.00 Credits - 3.00 Hours

This is an introductory psychology course with an Honors designation. It intends to survey the scientific study of behavior and mental processes known as psychology. Honors level content. Permission required from Honors director. This course will focus on the major categories identified by the American Psychological Association which are: Biological, Cognitive, Development, Social and Personality, and Mental and Physical Health. These categories will encompass topics such as learning, motivation, emotions, personality, abnormal behavior, treatment and therapy options, and an introduction to research methods. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Some sections may have service-learning components. Please refer to class notes in schedule of classes for details. This course satisfies the General Education State Core Social Science/History requirement for degree seeking students. Prerequisites: Acceptance into Honors program. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

PSY2602   The Evolution of Modern Psychology

Fall   3.00 Credits - 3.00 Hours

This course will examine influential experiments conducted in psychology over the last 100 years. These landmark studies have influenced and, at times, changed psychological principles and ethical standards. Major studies are in the areas of

biopsychology, learning, memory, development, emotion, motivation, personality, psychopathology, therapies and social psychology. This course partially satisfies the writing requirement of S.B.E. 6A-10.030.

PSY2905   Directed Studies in Psychology

Offered as Needed   3.00 Credits - 3.00 Hours

This course is scheduled for individual students who wish to explore topics not covered in the curriculum. The student must present a design of study (learning contract) to the faculty member who is to direct the work. Approval from the dean or director is required prior to registration.

PSY2949   Cooperative Education Internship in Psychology

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and ENC 1101 with a grade of "C" or higher. Corequisite: ENC 1101.

PTN1001   Introduction into Pharmacy Technology

Fall, Spring   3.00 Credits - 3.00 Hours

This course is designed to provide the student with an overall understanding and orientation to the field of pharmacy technology. Included in the course is an overview and historical development of pharmacy and the healthcare delivery system. It will introduce the student to the organizational structure and function of the pharmacy in various areas, such as retail, hospital, nursing home and home health care. Included in the course is the use of computer applications in processing pharmacy prescription data, discussion of medical-legal concepts as they relate to the practice of the pharmacy technician and understanding how communication skills are linked to customer care and routine inquiries. The ethical challenges in the pharmacy practice will be discussed. Students must complete this course with a grade of "C" or higher.

PTN1121   Pharmacology I

Fall, Summer   3.00 Credits - 3.00 Hours

This course is the first part of a two-semester course that will include a study of the introduction to pharmacology, biological factors affecting the action of drugs and the various medications prescribed for the treatment of selected illnesses and diseases. Emphasis will be on sources, classifications, strengths, indications, dosages, side effects, precautions of medications and alternative and complementary therapy. The course is designed to include a study of anti-infective drugs, the nervous system, the musculoskeletal system, pain and inflammatory agents. Emphasis will be placed on medication effects on the nervous system, local anesthetics, antiepileptics, antiparkinson, narcotics, analgesics, anti-inflammatory, and antipsychotic drugs. This course will discuss special considerations for

therapeutic agents administered throughout the lifespan. This course will introduce the top 200 prescription drugs. Students must complete this course with a grade of "C" or higher. Prerequisites: PTN 1001 and PTN 1734 with a grade of "C" or higher.

PTN1122   Pharmacology II

Fall, Summer   3.00 Credits - 3.00 Hours

This course is the second part of a two-semester course that will continue the study of the introduction to pharmacology, biological factors affecting the action of drugs and the various medications prescribed for treatment of selected illnesses and diseases. This course will be a comprehensive overview of current medications dispensed by classes, their effects on body systems, indications, side effects, dosages and contraindications. The course will include a study of integumentary, cardiovascular, gastrointestinal, urinary, respiratory systems, cancer drugs and chemotherapy. Emphasis will be placed on antianginal, hypolipidemic, anticoagulants, antihypertensive, antacids, diuretics, antihistamines, bronchodilators, musculoskeletal and joint diseases, cytotoxic drug and blood modifiers. Also in this course, the student will learn about how the body uses vitamins and electrolytes and available antidotes to treat poisoning. This course will continue the topic on the top 200 prescription drugs. Students must complete this course with a grade of "C" or higher. Prerequisites: PTN 1121 with grade of "C" or higher.

PTN1131   Concepts in Pharmacy Practice

Fall, Summer   3.00 Credits - 3.00 Hours

This course is equipped to introduce the student to administrative aspects and applications involved in working in the pharmacy setting. Subjects covered in this course include interpretation and evaluation of prescription orders, pharmaceutical dosage forms and materials management of pharmaceuticals. This course will provide advanced understanding of the pharmacy formulary system, computer applications in drug use control, pharmacy management elements and medication errors. It will allow the student to identify the element of patient profiles and the process of handling medications. It will also provide a strong focus on records management, inventory control, compensation and methods of payment for pharmacy services. Students must complete this course with a grade of "C" or higher. Prerequisite: PTN 1121 with grade of "C" or higher. Corequisite: PTN 1122.

PTN1131L   Concepts in Pharmacy Practice Lab

Fall, Summer   2.00 Credits - 4.00 Hours

In this course various aspects and hands-on applications are demonstrated and practiced, including the practice of proper common compounding medication and dispensing techniques, counting oral medication, the prescription filling process in a retail pharmacy by focusing on processing the prescription and labeling with required information and the use of appropriate containers and repackaging in predetermined quantities. This course will also allow students to prepare electronic purchase orders, maintain stock inventory and practice the aspect of pharmacy management. This course will introduce a pharmacy software program used in data entry. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: PTN 1001, PTN 1734C and PTN 1705C with a grade of "C" or higher.

PTN1138L   Pharmacy Compounding

Spring, Summer   2.00 Credits - 4.00 Hours

This course is designed to provide students with practical, hands-on experience in the pharmacy lab. Designed for students to practice and acquire various skills learned in

the pharmacy technician program under the direct supervision of the pharmacy instructor. Student skills will be checked off as they are mastered including, but not limited to, receiving, interpreting, and preparing compounding prescriptions for outpatient practice setting, pharmaceutical calculations, identification of selected equipment used, compounding environment, record keeping, extemporaneous repackaging, formulation record and how to complete master formula. Students also learn about inventory control systems, individual unit doses and patient information/profile systems, proper common compounding medication, labeling, and dispensing techniques. This course will also allow students to learn about the content of USP chapter 795 and how to apply them in the compounding preparation. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: PTN 1001, PTN 1734 and PTN 1705 with a grade of "C" or higher.

PTN1705   Pharmaceutics and Calculation

Spring, Summer   3.00 Credits - 3.00 Hours

In this course students will be introduced to pharmaceutical calculations. Subjects covered include systems of measurements and conversions between each, actual pharmaceutical calculations of drug dosages, demonstrate ability to use common pharmaceutical volume measurement equipment, measurement of time, temperature, capacity and mass/weight and calculation of ratios, proportion and percentage. Students must complete this course with a grade of "C" or higher. Prerequisites: PTN 1001 and PTN 1734C with a grade of "C" or higher.

PTN1734   Pharmacy Operations

Fall, Spring   3.00 Credits - 4.00 Hours

This course is designed to introduce the

student to the professional aspects of working in pharmacy technology. Subjects covered include pharmaceutical medical terminology and medical abbreviations used on prescriptions and orders (Added) as related to pharmacy practice. It will provide the student with the necessary skills needed to perform operational duties to demonstrate the applications in processing pharmacy prescription data and maintain pharmacy records. It will also provide the student with the necessary skills to recognize and practice infection control, safety, and security procedures and to identify methods in medical error reduction and prevention in the pharmacy practice. The course also covers overall understanding of dosages forms, compounding sterile and non-sterile medication. Students must complete this course with a grade of "C" or higher. Corequisites: PTN 1001.

PTN1931   Selected Studies in Pharmacy Technician

Offered as Needed   1.00 Credit - 1.00 Hour

In this course topics of current interest are presented in group instruction.

PTN1933   Selected Studies in Pharmacy Technology

Fall   3.00 Credits - 11.00 Hours

In this course, topics of current interest are presented in group instruction.

PTN1934   Selected Studies in Pharmacy Technology

Offered as Needed   4.00 Credits - 13.00 Hours

In this course topics of current interest are presented in group instruction.

PTN1945C Pharmacy Technician Practicum

Fall, Spring   **4.00 Credits - 11.00 Hours**

This course provides the pharmacy technician student the opportunity to apply pharmaceutical knowledge and techniques learned in the classroom setting in a safe and competent manner under the direction of a pharmacist. Students will be expected to gain experiences in assisting the pharmacist in serving patients, maintaining medications, inventory control and participating in the administration and management of a pharmacy practice at a pharmacy setting. Students will gain exposure to on-the-job experience and training in the pharmacy setting and practical application of pharmacy skills and gain experience in all aspects of drug preparation and distribution utilized by participating sites. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: PTN 1122, PTN 1131, PTN 1131L, ENC 1101, CGS 1060C or CGS 2100C, HIM 1453 or BSC 1020 or BSC 1084 or (BSC 2093C and BSC 2094C) with grades of "C" or higher.

PTN1947L Pharmacy Technician Applications

Fall, Spring   **4.00 Credits - 6.00 Hours**

This course provides the pharmacy technician student the opportunity to apply pharmaceutical knowledge and techniques learned in the classroom setting in a safe and competent manner under the direction of a pharmacist. Students will be expected to gain experiences in assisting the pharmacist in serving patients, maintaining medications, inventory control and participating in the administration and management of a pharmacy practice at a pharmacy setting. Students will gain exposure to on-the-job experience and training in the pharmacy setting and practical application of pharmacy skills and gain experience in all aspects of drug preparation and distribution utilized by participating sites. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: PTN 1122, PTN 1131, PTN 1131L, ENC 1101, CGS 1060C or CGS 2100C, HIM 1453 or BSC 1020 or BSC 1084 or (BSC 2093C and BSC 2094C) with grades of "C" or higher.

PTN1948C IV Infusion for Pharmacy Technology

Fall, Spring   **3.00 Credits - 5.00 Hours**

This course will include a study of intravenous delivery of therapy in the hospital setting as well as other therapies to include arterial, epidural and intrathecal. It will focus on patients and their clinical needs, physician treatment plans and collaboration with other healthcare providers. The foundation of infusion therapy will be discussed, including anatomy, physiology, systems for administering parenteral production, reconstituting parenteral medications and infection control, inpatient practice setting, pharmaceutical calculations review, complications of intravenous therapy and mechanism of actions, clinical indications, pharmacokinetics, contraindications and side effects of selected intravenous medications, and IV Admixture of large volume, IV Piggyback and syringe doses, nutritional preparations and preparation of chemotherapeutic agents using proper safety techniques and using the laminar hood. Treatment modalities will include parental fluids and pharmacologic agents. Legal and ethical aspects of infusion practice will also be reviewed. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: PTN 1122, PTN 1131, PTN 1131L, ENC 1101, CGS 1060C or CGS 2100C, HIM 1453 or BSC 1020 or BSC 1084 or (BSC 2093C and BSC 2094C) with grades of "C" or higher.

PUP2230   Energy and Environmental Policy

Fall, Spring　　　　**3.00 Credits - 3.00 Hours**

This course will expose the student to various policies and environmental regulations concerning air quality and dependence on foreign energy sources. Discussion will include enactment of policies, laws, regulations and programs with regard to conventional and alternative energy sources. Assessment of concerns over future depletion of global oil supplies and the impact to the U.S. economy will be discussed. The federal, state or local governmental response to issues concerning pollution and its impact on the number of environmental laws, the effectiveness of any proposed initiative and the extent of implementation and enforcement will be explored.

PUR3402　Propaganda and Strategic Communication

Summer　　　　**3.00 Credits - 3.00 Hours**

The course examines the role of communication and rhetoric in the workings of propaganda over the centuries. After establishing how and if one can identify the ideology informing and shaping propagandistic forms of communication, a closer look will be taken at the variety of media that National Socialism successfully utilized in its effort to create the Third Reich. Specific propagandistic communication strategies can be discerned in the Nazi's use of art and architecture as well as in their regular organization of mass rallies. Furthermore, the course will discuss how these propaganda techniques were continued (and further developed) worldwide after World War II. This course will also cover recent technical and digital developments in propaganda techniques.

PUR3930　Selected Studies in European Studies: Austria and the EU

Summer　　　　**3.00 Credits - 3.00 Hours**

There are few countries in this world that have seen a similarly drastic political development in the Twentieth Century as Austria. After being reduced from a multi-national empire to a small provincial country after WWI, becoming part of Nazi Germany and enduring WWII, Austria has evolved as a neutral state after the liberation from the occupying forces. On January 1, 1995, Austria opened a new chapter in its political history by joining the European Union. This course, conducted in seminar form which introductory lectures, readings, written assignments and class presentations, will explore Austria's way into the European Union, the obstacles it had to overcome in getting there, the role it has played since its admittance, and recent developments in national as well as European politics. This course will bring together and enlarge upon what students have learned in the course "Understanding Austria" and "Economics and Politics of the EU."

QMB1001　Business Mathematics

Fall, Spring, Summer　　　　**3.00 Credits - 3.00 Hours**

This course is designed to enable students to use mathematics to solve real-world business problems. Areas covered include checking accounts, using equations to solve business problems, calculating trade discounts, markup and markdown, payroll and computing interest for notes.

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*　Developmental Reading I REA0007C

Fall, Spring, Summer　　　　**4.00 Credits - 4.00 Hours**

This course is designed to develop basic reading skills necessary for success in collegiate studies. Topics include main idea,

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supporting details, the purpose and tone of the author, fact and opinion, organizational patterns, relationships, vocabulary in context, inference and conclusions, reasoning and argument. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: Placement test score mandates placement.

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*   Developmental Reading II REA0017C

Fall, Spring, Summer   **4.00 Credits - 4.00 Hours**

The main objective of this course is to increase the student's ability to comprehend written material. Topics include main idea, supporting details, the purpose and tone of the author, fact and opinion, organizational patterns, relationships, bias, vocabulary in context, inference and conclusions, reasoning and argument. Credit is not applicable toward A.A. or A.S. degrees. Prerequisite: REA 0007C with a grade of "C" or higher or sufficient score on placement test.

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* REA0019 Developmental Reading

Fall, Spring, Summer   **4.00 Credits - 4.00 Hours**

This course is designed to develop basic reading skills necessary for success in collegiate studies. Topics include main idea, supporting details, the purpose and tone of the author, fact and opinion, organizational patterns, relationships, vocabulary in context, inference and conclusions, reasoning and argument. Credit is not applicable toward A.A. or A.S. degrees. This course may be repeated up to three times. Prerequisite: Sufficient score on placement test or REA 0007C with a grade of "C" or higher or equivalent.

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* REA0055 Developmental Reading Module

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This one credit-hour course allows students to complete modularized assignments to work on specific reading deficiencies. Students selecting this option complete a reading skills assessment and, based on the assessment, complete modularized assignments to work on specific reading deficiencies.

RED2010   Foundations of Reading

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This beginning reading methods course introduces students to the principles, procedures and current research-based practices for teaching and assessing reading.

RED3011   Principles of Reading Instruction

Fall   **3.00 Credits - 3.00 Hours**

This course develops an understanding of the six components of reading and principles of research-based reading instruction. Specific topics addressed will include theories and models of the reading process, language acquisition, early reading concepts (concepts about print, letter knowledge, phonological and phonemic awareness), phonics and word recognition (phonics, alphabetic principle, high-frequency sight words, structural analysis), fluency, vocabulary development, comprehension strategies, reading-writing connections, content-area reading skills, and assessments (formal and informal). This course requires 15 hours of field experience in a k-8 classroom setting. Course objectives and assignments are designed to prepare students for the Florida Reading Endorsement (Competencies 1 & 2). Prerequisite/corequisite: EDG 3622.

RED4519   Diagnostic and Instructional

Interventions in Reading

Fall   **3.00 Credits - 3.00 Hours**

This course provides a foundation in utilizing assessments to plan differentiated instruction in the reading components. Throughout the course, preservice teachers are taught to select and administer appropriate formal and informal assessments to inform reading instruction that meets the needs of all learners. Preservice teachers will understand and apply research-based instructional practices by differentiating process, product, and content, while engaging in the systematic problem solving process. This course requires 15 hours of field experience in a classroom setting. Course objectives and assignments are designed to prepare students for the Florida Reading Endorsement (Competencies 3 & 4). Prerequisite: RED 3011.

RED4942   Practicum for Assessment and Instruction of Reading

Fall   **3.00 Credits - 3.00 Hours**

This course is a culminating practicum that provides opportunity to apply their broad knowledge of reading to address the needs of learners with differing reading profiles to develop a comprehensive, scientifically based reading plan for a classroom. The plan includes a method to engage in systematic assessment and problem solving to effectively differentiate instruction. Students apply scientifically based instructional practices to support all learners. Concurrent school experience required. Experiences are provided in diagnosis, instructional planning for remediation, implementation of reading interventions, on-going evaluation of the reading progress, and communication with parents. This course requires a field experience in a k-16 classroom setting which will coincide with your Pre-Internship Field Experience I placement. This is a companion course to EDE 4941. Hours may vary. Course objectives and

assignments are designed to prepare students for the Florida Reading Endorsement (Competency 5). Prerequisites: EDG 3622, RED 3011, RED 4519. Corequisite: EDE 4941 or EEX 3940.

REL2300   Religions of the World

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is an ideological study of the major religions of the world emphasizing the relationships of their major tenets to our modern society. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

REL2950   Travel Study in Religion

Spring, Summer   **3.00 Credits - 3.00 Hours**

This is a travel study course combining preparation on campus, foreign travel and study abroad in the discipline of Religion. Variable content depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before the day of departure. Permission of instructor or dean is required.

RET1007   Intro to Pharmacology

Fall   **1.00 Credit - .00 Hours**

This course introduces students to the study of pharmacological principles related to the treatment of patients with cardiopulmonary disease. The course includes a study of the anatomy and basic function of the central and peripheral nervous systems, principles of drug action, the basic methods of drug administration, standard drug calculations, and the effects of drugs on specific body systems. Inhaled bronco-active aerosols and other agents commonly administered in the care of the cardiopulmonary patient are

discussed. Students must complete this course with a grade of "C" or higher. Corequisite: RET 1024L.

RET1024L Foundations of Respiratory Care Lab

Fall   3.00 Credits - 3.00 Hours

This course is composed of a laboratory experience designed for the beginning respiratory care student. The course presents skills to perform basic respiratory care in preparation for the first clinical rotation. Students will be introduced to skills, including hand washing and isolation procedures, patient assessment, vitals, breath sounds, patient positioning, oxygen therapy devices, aerosol therapy devices, different oxygen supply systems, airway care and maintenance, and noninvasive ventilation. Students will be expected to be proficient in all skills prior to completion of the course. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisite: Admission to the Respiratory Care program. Corequisites: RET 1275, RET 1025 and RET 1485.

RET1025   Principles of Respiratory Care

Fall   3.00 Credits - 3.00 Hours

This course is comprised of didactic material designed for the beginning respiratory care student. An introduction to respiratory care, the history of the profession, basic principles of patient safety, recordkeeping (including medical terms and abbreviations), ethical and legal implications of health care, patient education, physical principles of respiratory care, principles of infection control, pulmonary rehabilitation, patient assessment, and analysis and HIV/blood-borne pathogens are topics discussed in this course. A review of microbiology, physics, and chemistry for respiratory care will also be covered in this course. Students must complete this course

with a grade of "C" or higher. Prerequisite: Admission to the Respiratory Care program. Corequisite: RET 1024L.

RET1264   Principles of Mechanical Ventilation

Spring   3.00 Credits - 6.00 Hours

This course is a lecture introducing mechanical ventilation and the equipment used in the continuous and intermittent ventilation of patients. Course content includes indications, contraindications, modes of ventilation, and hazards of continuous ventilation with significance given to ventilator management and monitoring techniques. Students must complete this course with a grade of "C" or higher. Prerequisites: RET 1025 and RET 1275 with a grade of "C" or higher.

RET1264L Intro to ICU Respiratory Lab

Spring   2.00 Credits - 2.00 Hours

This laboratory course will introduce skills needed for students to enter the intensive care unit. The focus will be on mechanical ventilation which will include the set up and use of mechanical ventilators, patient assessment of the ventilated patient, monitoring of mechanical ventilation, and liberation of mechanical ventilation. Students will work in skills stations and be introduced to clinical simulations. In addition, students will learn the basics of reading chest x-rays and drawing blood from arterial lines. Students must complete this course with a grade of "C" or higher. Prerequisite: RET 1024 with a grade of "C" or higher.

RET1275   Clinical Care Techniques

Fall   3.00 Credits - 3.00 Hours

A course composed of didactic material for the

beginning respiratory care student. The course presents basic principles and essential skills necessary to perform basic respiratory care in preparation for the first clinical rotation. Topics include oxygen therapy, storage and delivery of medical gases, indications and hazards of medical gas therapy, humidity and bland aerosol therapy, airway management, bronchial hygiene therapy, non-invasive ventilation, arterial blood gas puncture, and lung expansion therapy. Students must complete this course with a grade of "C" or higher. Prerequisite: Admission to the Respiratory Care Program and Corequisite: RET 1024L.

RET1295   Chest Medicine

Spring   3.00 Credits - 5.00 Hours

This course allows respiratory therapy students to investigate the nature and cause of cardiopulmonary diseases which involve changes in structure and function. The etiology, clinical manifestation, pathogenesis, laboratory data and treatment for major chronic and acute cardiopulmonary disease entities will be presented. Students must complete this course with a grade of 11C11 or higher. Prerequisites: RET 1025 and RET 1485C with a grade of "C" or higher.

RET1450   Basic Physiological Monitoring

Summer   3.00 Credits - 3.00 Hours

This is a lecture course designed to present invasive and non-invasive monitoring and diagnostic evaluation of patients. Cardiopulmonary assessment is presented utilizing pulmonary function, chest roentgenography, cardiac monitoring, hemodynamic monitoring and general laboratory tests. Students must complete this course with a grade of "C" or higher. Prerequisites: RET 1025 and RET 1485 with a grade of "C" or higher.

RET1450L Critical Care Respiratory Lab

Summer   2.00 Credits - .00 Hours

This laboratory course will introduce new and review critical care skills students will need for the intensive care unit. Students will learn how to set up arterial lines, maintain, monitor, and troubleshoot the line, how to read hemodynamic values via a Swan Ganz catheter, conduct pulmonary function measurements, set up a 12 lead ECG and analyze rhythms, and advance chest x-ray interpretations. Students will also conduct patient simulations in the lab setting. Students must complete this course with a grade of "C" or higher. Prerequisite: RET 1264L with a grade of "C" or higher. Corequisite: RET 1450.

**RET1451   Advanced Respiratory
                    Pharmacology**

Summer   2.00 Credits - .00 Hours

This course continues to introduce students to the study of pharmacological principles related to the treatment of patients with cardiopulmonary disease. The course includes a study of the anatomy and basic function of the central and peripheral nervous systems, principles of drug action, the basic methods of drug administration, standard drug calculations, and the effects of drugs on specific body systems. Inhaled bronco-active aerosols and other agents commonly employed in the care of the cardiopulmonary patient are discussed in conjunction with more advanced principles and therapies pertaining to acute and critical care settings. Students must complete this course with a grade of "C" or higher. Prerequisite: RET 1007. Corequisite: RET 1875.

RET1485   Cardiopulmonary Physiology

Fall   3.00 Credits - 3.00 Hours

This course covers the anatomy and physiology of the cardiopulmonary system. Topics include physiological functions, including acid base relationship, gas perfusion, functions of ventilator control, ventilation perfusion analysis, cardiopulmonary and renal hemodynamics and blood gas interpretation analysis. Students must complete this course with a grade of 11C11 or higher. Corequisite: RET 1024L.

RET1874L Clinical Practice I

Spring   **4.00 Credits – 10.60 Hours**

This course provides supervised clinical experiences which emphasize fundamental respiratory therapy procedures. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: RET 1025C, RET 1275C and RET 1485C with grades of "C" or higher.

RET1875L Clinical Practice II

Summer   **3.00 Credits – 14.00 Hours**

This course covers the integration of clinical practice and knowledge for the advanced student. Students receive clinical experience in adult intensive care units with an emphasis on mechanic ventilator management. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: RET 1264C and RET 1874L with grades of "C" or higher. Corequisite: RET 1450C.

RET2244C Life Support

Spring   **3.00 Credits – 5.00 Hours**

This is a lecture/laboratory course designed to present advanced cardiopulmonary assessment. Diagnostic and monitoring techniques will be emphasized. Cardiopulmonary hemodynamics, advanced pulmonary function studies, modes of

ventilation and new innovations will be stressed. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: RET 2714C and RET 2876L with grades of "C" or higher.

RET2244L Advanced Respiratory Care Lab

Spring   **2.00 Credits – 2.00 Hours**

This laboratory course will introduce students to advanced skills including advanced cardiac life support, advanced modes of mechanical ventilation, and alternate airway management techniques. Students will participate in patient simulations where advance care and skills will be needed. Students will properly diagnose and treat patients in a simulated environment. Students must complete this course with a grade of "C" or higher. Prerequisite: RET 2714L with a grade of "C" or higher. Corequisite: RET 2244.

RET2350 Pharmacology

Spring   **3.00 Credits – 3.00 Hours**

This course deals with the history of pharmacology, regulatory agencies and laws concerning the use of medications. Drug actions, absorption, distribution and use in the human body are discussed. The course places emphasis on respiratory drugs, cardiac drugs and related drugs that the therapist is exposed to in the hospital. Students must complete this course with a grade of "C" or higher. Prerequisites: RET 1025C, RET 1275C and RET 1485C with grades of "C" or higher.

RET2714 Pediatric Respiratory Care

Fall   **3.00 Credits – 3.00 Hours**

Respiratory care of the neonate and pediatric patient is presented with special emphasis on physiology, pulmonary complications and related general and intensive care procedures.

Also included is neonatal transportation and assessment of the sick newborn and child. Students must complete this course with a grade of "C" or higher. Prerequisites: RET 1875L with a grade of "C" or higher. Corequisite: RET 2876L.

RET2714L   Neonatal and Pediatric Respiratory Lab

Fall   **2.00 Credits - 2.00 Hours**

This lab course will coincide with the curriculum taught in RET 2714 Pediatric Respiratory Care. Students will learn how to assess the neonatal and pediatric population. Provide oxygen therapy and resuscitation when needed. Students will also learn how to intubate and mechanical ventilate thesepatients and participate in patient simulations in the lab setting. Students must complete this course with a grade of "C" or higher. Prerequisite: RET 1450L with a grade of "C" or higher. Corequisite: RET 2714.

RET2876L Clinical Practice III

Fall   **4.00 Credits - 24.00 Hours**

The student will receive supervised clinical experience emphasizing advanced modes of mechanical ventilation, patient transport and advanced hemodynamic monitoring. During this clinical rotation, students will also rotate through the neonatal and pediatric critical care units. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: RET 1295C, RET 1450C and RET 1875L with grades of "C" or higher. Corequisite: RET 2714C.

RET2877L Clinical Practice IV

Spring   **4.00 Credits - 11.20 Hours**

The clinical rotation will be in specialty areas of adult, pediatric and neonatal medicine.

Clinical skills will focus on adult and pediatric ventilator management, weaning, extubation and hemodynamic assessment. Conferences will be used to assess learning objectives and present cases. During the semester, students will be given the opportunity to become certified in ACLS. Lab fee required. Students must complete this course with a grade of "C" or higher. Prerequisites: RET 2714C and RET 2876L with a grade of "C" or higher. Corequisite: RET 2244C.

RET2931   Selected Studies in Respiratory Therapy

Offered as Needed   **1.00 Credit - 1.00 Hour**

In this course topics of current interest related to respiratory therapy are presented in group instruction.

RET2932   Selected Studies in Respiratory Care

Summer   **2.00 Credits - 2.00 Hours**

In this course, topics of current interest are presented in group instruction.

RET3536   Cardiopulmonary Rehabilitation

Fall   **3.00 Credits - 3.00 Hours**

This course is designed to provide students with a comprehensive understanding of cardiopulmonary rehabilitation. Students will learn how to optimize the quality of life for chronically ill patients with cardiopulmonary disease through rehabilitation, education and outpatient management. Focus is on an interdisciplinary approach to pulmonary rehabilitation and home care of the adult cardiopulmonary patient.

RET4277   Adult Critical Care

Fall   **3.00 Credits - 3.00 Hours**

This course will examine the different specialty areas available in respiratory therapy as a working practitioner. Information on recent changes in technology and therapeutic modalities will be presented. The student will participate in activities to gain knowledge of ongoing changes in respiratory therapy.

RET4285   Advanced Cardiopulmonary Medicine

Spring   **3.00 Credits - 3.00 Hours**

This course focuses on the disease states treated medically in conjunction with one or more modalities of respiratory therapy. Topics include acute lung injury and acute respiratory distress syndrome, life threatening asthma, chronic obstructive lung disease, pleural effusion, pneumothorax, indications for ventilator support in adults, modes of invasive and non-invasive ventilator support and post-operative management of patients undergoing lung resection.

RET4718   Neonatal Pediatric Critical Care

Summer   **3.00 Credits - 3.00 Hours**

This comprehensive course focuses on advancing the knowledge of the respiratory therapy student from basic disease knowledge and treatment to innovative and novel modalities in the treatment of critically ill pediatric respiratory patients. This comprehensive course focuses evaluation and management of medical and surgical pediatric conditions requiring respiratory care. Emphasis will be on pediatric critical care, pathophysiology, treatment and prevention of respiratory conditions and mechanical ventilation.

RMI2212   Personal and Business Property

Insurance

Spring   **3.00 Credits - 3.00 Hours**

This course provides an overview of personal and business property risks and coverages which may be used in dealing with these risks, including the underwriting, marketing and social problems associated with these coverages. Additional topics include commercial and residential fire insurance, inland marine and transportation coverages and multi-peril contracts.

RTV1201C   Introduction to Television Production I

Fall, Spring, Summer   **4.00 Credits - 4.00 Hours**

This is a course in the preparation and production of television programs for airing at the College and on local public access TV. Programs scheduled include activities at Seminole State College and in the community. Lab fee required.

RTV1201L   Introduction to Television Production I Laboratory

Fall, Spring, Summer   **1.00 Credit - 1.00 Hour**

This is the lab component for RTV 1201. This is a course in the preparation and production of television programs for airing at the College and on local public access TV. Programs scheduled include activities at Seminole State College and in the community. Lab fee required. Prerequisite: RTV 1201.

RTV1240   Introduction to Audio Production

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

The course includes beginning theory and practices as a platform to springboard into live

sound reinforcement as well as recording and broadcasting technology, incorporating the signal processing and hands-on techniques found in a myriad of real world applications. The eventual goal is to learn to incorporate audio gear for optimum performance in a variety of professional operations.

RTV1241   Introduction to Television Production II

Fall, Spring, Summer   4.00 Credits - 4.00 Hours

The purpose of this course is to develop skills in using more advanced equipment for television production and to apply these skills in producing television programs. The course will stress writing, producing, directing and editing television programs. Lab fee required. Prerequisites: RTV 1201C or RTV 1201 and RTV 1201L.

RTV2206   Television Directing

Spring   3.00 Credits - 3.00 Hours

This course teaches students procedures and practices of directing a variety of television productions. Emphasis will be placed on working with writers and producers in directing programs from concept to product. Lab fee required.

RTV2245C Electronic Field Production

Fall, Spring   4.00 Credits - 4.00 Hours

In this course, students learn single and multiple camera field production techniques in producing documentary and news style programs. Emphasizes working in teams utilizing portable field equipment such as lighting, audio and camera. Lab fee required.

RTV2250   Video Post Production

Fall, Spring   3.00 Credits - 3.00 Hours

In this course, students will learn editing techniques and other post-production processes, including A/B roll editing, digital video effects, electronic graphics and audio mixing. Students will be introduced to non-linear editing systems. Lab fee required.

RTV2251   Advanced Editing

Fall, Spring   3.00 Credits - 3.00 Hours

This course will instruct students to operate non-linear editing systems focusing on AVID technologies. Students will become familiar with software applications related to special effects, audio enhancements and image manipulation. Lab fee required. Prerequisites or corequisites: RTV 1201C and RTV 1241.

RTV2925   TV Workshop

Fall, Spring   3.00 Credits - 3.00 Hours

This is the capstone course for the TV and Film program. Students will produce a demonstration reel exhibiting their best work in all areas of pre-production, production and post-production. The course should be a benefit to students seeking employment or wishing to transfer to a senior institution. Lab fee required. Prerequisite: RTV 1201C. Prerequisite or corequisite: RTV 1241.

RTV2930   Selected Studies in Television Production

Fall, Spring, Summer   3.00 Credits - 3.00 Hours

In this course, topics of current interest are presented in group instruction. This course may be taken four times for credit. Lab fee required.

RTV2941   Cooperative Education Internship in Radio/TV

Offered as Needed   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

RTV2942   Cooperative Education Internship in Radio/TV

Offered as Needed   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the

student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

RTV2949   Cooperative Education Internship in Radio/TV

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

SBM2000   Small Business Management

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

The course is designed to enable students to manage and operate a small business. The areas covered include developing a business plan, securing financing, accounting for business transactions, advertising and promotion, site location and managing the small business. This course is beneficial for those planning to start a small business as well as those already operating a business.

SCE3310   Teaching Science

Fall   3.00 Credits - 3.00 Hours

This course is designed to provide content, skills, and materials related to teach the concepts and processes of science. Provides meaningful concepts and activities needed to understand and teach science and technology to elementary students from all backgrounds, including English language learners and those with disabilities. Emphasis will be placed on the use of (a) evidence and research based instructional procedures, (b) character development education, and (c) development of 21st century skills. Clinical experience required.

SLS1101   College Success

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course is designed to help students become more effective in college. The course teaches students how to set goals, manage time, improve retention of information, take notes, strengthen test-taking skills, deal with test anxiety, master stress reduction techniques, think critically, approach problems creatively, communicate more effectively, use the library and other college services, adapt to various instructional styles, understand their own learning style and identify and deal with problems (learning, personal or social) that interfere with their ability to learn, develop an appreciation for diversity and develop appropriate classroom behaviors. Lab fee required.

SLS1103   Introduction to College Life

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is designed to assist first-year students in making a smooth transition into Seminole State College of Florida. The course

will provide students the opportunity to understand the culture of higher education. Topics covered in the course include the vocabulary of higher education, college policies, student code of conduct, educational planning (class scheduling techniques, class formats, transfer process and techniques to select a major), information literacy and financial information (financial aid and personal money management).

SLS1301C   Life/Career Planning

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

Life/Career Planning is a course designed to assist students with the lifelong process of career development. Students will participate in a variety of experiences as a group and individually. The coursework is designed to help students identify and examine their interests, personality, values, self-esteem, critical thinking skills and to use this increased self-awareness to make decisions about majors and careers. This course will emphasize that making an occupational career choice is a never-ending process subject to and affected by one's personal maturity and environmental changes. Life/Career Planning is a three-credit course that applies as an elective towards the Associate in Arts degree. Lab fee required.

SLS1505   Successful Critical Thinking

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

The purpose of this course is to develop higher-order thinking abilities needed for academic success and personal development. Each element in this course is designed to help students become critical thinkers. Students will be challenged to think, reason, read and write clearly, logically and effectively in order to better understand our world and everyday situations. Critical thinking is often the first step in problem solving. It is essential for understanding ourselves and our

relationships. The course will explore critical thinking as it helps to enhance our communication. The development of critical thinking will be fostered by applying these skills to contemporary issues and personal experiences. Students will begin to learn to recognize persuasion and bias, steps to problem-solving, analyze structure of arguments and evaluate the merits of arguments.

SLS1533   Achievement in Mathematics

Fall, Spring   1.00 Credit - 1.00 Hour

This course is designed to instruct students in the specific study habits, attitudes, thinking skills and problem-solving skills necessary for success in mathematics courses. Through the use of various attitude scales, students will determine personal strengths and weaknesses as well as behavior and attitude changes needed in order to maximize proficiency in mathematics. This course may be taken only one time for credit.

SLS1603   Financial Success for Students

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

The purpose of the Financial Success for Students course is to help students learn the skills to stay out of debt and stay in school. Each element in this course is designed to help students think critically to develop financial habits that lead to success, significance and satisfaction. Students who are financially savvy in college do not let finances interfere with their ability to learn and succeed in college. This course will teach students how to avoid financial pitfalls and set financial goals as well as learn basic techniques for overcoming financial mistakes, manage money, expand their knowledge of financial aid and scholarships and learn basic budgeting skills.

SLS2940   Internship Exploration

Fall, Spring, Summer   .00 Credits - .00 Hours

This course is work-based experience that provides students with supervised career exploration activities and/or practical experiences. Seminars may be a component of this course and regular contact with the assigned advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated at the discretion of the Career Development Center. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

SLS2941   Internship Exploration

Fall, Spring, Summer   1.00 Credit - 1.00 Hour

This course is a work-based experience that provides students with supervised career exploration activities and/or practical experiences. Seminars may be a component of this course and regular contact with the assigned advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated at the discretion of the Career Development Center. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

SLS2942   Internship Exploration

Fall, Spring, Summer   **2.00 Credits - 2.00 Hours**

This course is a work-based experience that provides students with supervised career exploration activities and/or practical experiences. Seminars may be a component of this course and regular contact with the assigned advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated at the discretion of the Career Development Center. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

SLS2949   Internship Exploration

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This course is a work-based experience that provides students with supervised career exploration activities and/or practical experiences. Seminars may be a component of this course and regular contact with the assigned advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated at the discretion of the Career Development Center. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career

Development Center.

SPC1461   Intercultural Communication

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course will highlight communication norms, values and beliefs from countries throughout the world. Class activities and projects will explore cultural awareness, cultural sensitivity and techniques for effective communication within global contexts and careers.

SPC1608   Speech Communication

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

The purpose of this course is to improve the basic skills of speaking and listening. Class exercises emphasize preparing and delivering public speeches, speaking with clarity and variety and listening with literal and critical comprehension. The course addresses communication in the personal, career and global spheres.

SPC1608H Honors Speech Communication

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

The purpose of this course is to improve the basic skills of speaking and listening. Class exercises emphasize preparing and delivering public speeches, speaking with clarity and variety and listening with literal and critical comprehension. This course addresses communication in the personal, career and global spheres. Prerequisite: Acceptance into the Honors Program or permission from the Honors Director.

SPC2511   Argumentation and Debate

Fall   **3.00 Credits - 3.00 Hours**

This course is designed to elevate the basic skills of speaking and reasoning to a level appropriate for intercollegiate debate. Exercises will focus on critical thinking, argumentation and refutation. Students will study the classical theories of Aristotle and Cicero and apply the basic precepts of argumentation in formalized debate.

SPC2601   **Oral Communication II**

Fall   **3.00 Credits - 3.00 Hours**

This course is designed to improve the basic skills developed in the Introduction to Oral Communication class (SPC 1608). While the class will emphasize the presentation and delivery of speeches, this course will also place significant emphasis on rhetorical analysis exercises specifically designed to foster critical thinking. Students will analyze and critique the fundamental elements of logic, reasoning and argumentation. Presentations will emphasize high-tech visual aids.

SPC2949   **Speech Internship - 3 CR**

Offered as Needed   **3.00 Credits - 3.00 Hours**

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the

student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

SPN1000   **Beginning Conversational Spanish I**

Fall   **2.00 Credits - 2.00 Hours**

This course is designed as an introductory course for the student who has little or no experience with the Spanish language. It is an introduction to the foundation of the language, stressing a communicative approach. The course starts with pronunciation and increases the knowledge and ability of the student to function in the language using basic vocabulary, phrases, question and answer sequences and short dialogues. Verbal participation is emphasized in class. This course does not satisfy university foreign language requirements.

SPN1001   **Beginning Conversational Spanish II**

Offered as Needed   **2.00 Credits - 2.00 Hours**

This course is a continuation of Beginning Conversational Spanish I (SPN 1000). Speaking and listening skills will be emphasized. The topics and vocabulary previously learned will be reviewed and used as the foundation on which the new topics and situations will be introduced. Situations such as asking for directions, shopping, seeking help, etc. will be presented. New vocabulary phrases, question and answer sequences and dialogues will be memorized and practiced in class. Verbal class participation is expected. This course does not satisfy university foreign language requirements.

SPN1032   **Elementary Medical Spanish**

Fall, Spring, Summer   **3.00 Credits - 3.00 Hours**

This is an Elementary Spanish language course geared towards individuals studying or working in health-related professions. It focuses on Medical Spanish terminology and the cultural interactions with Spanish speaking patients in health-related settings. This course focuses on one-on-one interactions in health-related settings while developing a cultural understanding of the relationship health provider - patient in most Spanish speaking communities with an emphasis on the ever-growing Latino community from Central Florida. This course is an introduction for possible future careers where Spanish is needed, such as medicine, nursing, physical therapy and interpreting and translating. The main objective of this course is to equip beginning learners of Spanish with the abilities to function at the Mid-Novice level as described in the scale developed by the American Council on the Teaching of Foreign Languages (ACTFL). Prerequisite(s): None (SPN 1120 is recommended).

SPN1120   Elementary Spanish I

Fall, Spring, Summer   **4.00 Credits - 5.00 Hours**

This is a beginning course focusing on the fundamentals of Spanish grammar and vocabulary. Students will develop language skills by listening, speaking, reading and writing in Spanish. The course introduces students to the culture of Spanish-speaking countries. Lab fee required.

SPN1121   Elementary Spanish II

Fall, Spring, Summer   **4.00 Credits - 5.00 Hours**

This course is a continuation of SPN 1120. Emphasis is placed on more advanced Spanish grammar and vocabulary. Students will continue to develop language skills by listening, speaking, reading and writing in Spanish. The course will continue to introduce students to the culture of Spanish-speaking countries. Lab fee required. Prerequisite: SPN 1120.

SPN2200   Intermediate Spanish I

Offered as Needed   3.00 Credits - 3.00 Hours

This course is a review of SPN 1120 and SPN 1121 with emphasis on enlarged vocabulary and increased understanding of Spanish grammar. Contemporary readings on vital topics which stimulate free discussions on world events and universal concerns. Provides further practice in speaking Spanish. Class held largely in target language. Prerequisite: SPN 1121.

SPN2201   Intermediate Spanish II

Offered as Needed   3.00 Credits - 3.00 Hours

This course includes selected readings of modern plays, short stories, novels and poems by eminent Spanish and Latin American authors. Conducted largely in target language. Credit for this course is also awarded to entering students with the appropriate score on the Advanced Placement (AP), College-Level Examination Program (CLEP) or the International Baccalaureate (IB) examination in this language. Prerequisite: SPN 2200 or four years of high school Spanish or permission of instructor.

SSE3312   Teaching Social Science

Fall   3.00 Credits - 3.00 Hours

The purpose of this course is to provide the pre-service teacher with the practical and theoretical knowledge and skills to be an effective social science in grades K-6. Clinical experience required.

STA2023   Statistical Methods I

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course introduces descriptive statistics, probability and probability distributions, estimation, confidence intervals, hypothesis testing, two-sample inferences, correlation and regression and nonparametric tests. This course is a first course in statistical methods for those students entering a science or business-related field. This course satisfies the General Education State Core Mathematics requirement for degree seeking students. It is recommended that students without college-level math credits have completed a secondary-level course in Geometry, Algebra 2, Precalculus, Calculus, or Math for College Statistics with a grade of 'B' or higher before taking this course. MAT 0022 or MAT 0057 or MAT 1033 or MAT 1100 or equivalent with a grade of "C" or higher OR sufficient score on placement test.

STA2023H Honors Statistical Methods I

Spring   3.00 Credits - 3.00 Hours

This Honors course introduces descriptive statistics, probability and probability distributions, estimation, confidence intervals, hypothesis testing, two-sample inferences, correlation and regression and nonparametric tests. This course is a first course in statistical methods and involves Honors students in projects and development of portfolios. Honors level content. Permission required from Honors director. This course satisfies the General Education State Core Mathematics requirement for degree seeking students. It is recommended that students without college-level math credits have completed a secondary-level course in Geometry, Algebra 2, Precalculus, Calculus, or Math for College Statistics with a grade of 'B' or higher before taking this course. Prerequisites: Acceptance into Honors program and MAT 0022 or MAT 0057 or MAT 1033 or MAT 1100 or equivalent with a grade of "C" or higher OR sufficient score on placement test.

SUR2101C Surveying

Fall, Spring   4.00 Credits - 4.00 Hours

This course covers the theory and practice of surveying, use and care of instruments, instrument error, balancing and closing traverses, introduction to land and construction surveying. Lab fee required. Prerequisite: MAC 1114 (or higher level math) or MTB 1329 or BCT 1001.

SUR3205   Engineering and Construction Surveying

Fall, Spring   3.00 Credits - 3.00 Hours

This course is an instructional program that prepares individuals to apply mathematical and scientific principles to the delineation, determination, planning and positioning of land tracts, land and water boundaries, land contours and features and the preparation of related maps, charts and reports. Includes instruction in applied geodesy, computer graphics, photo interpretation, plane and geodetic surveying, mensuration, traversing, survey equipment operation and maintenance, instrument calibration and basic cartography. Prerequisite: ETD 3555.

SUR3446C Land Subdivision and Platting

Fall, Spring   3.00 Credits - 3.00 Hours

This course covers the legal framework of the land development process. Topics include zoning, restrictions, easements, setbacks, land planning, relative statutes - state and federal, agency jurisdiction, condominium concepts and practices, planned unit development concepts and practices. The course also covers

subdivision concepts and practices and platting. Prerequisite: SUR 2101C.

SUR4403   Legal Principles of Boundaries

Spring   3.00 Credits - 3.00 Hours

This course covers legal principles of property boundary retracement, land descriptions, rights-of-way, writing legal descriptions of real property, ethical issues and legal limits of practice, surveyor as expert witness, the surveyor-client relationship and responsibilities to the profession. Lab fee required. Prerequisites: ETD 3555 and SUR 3446C.

SYG2000   Introduction to Sociology

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course is an introductory survey of sociology covering its scope, methods and general principles. Topics emphasized include group behavior, race relations, population, social institutions, social change and social stratification. The purpose of the course is to assist the student in acquiring an understanding of society. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. This class satisfies the General Education State Core Social Science/History requirement for A.A. degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

SYG2000H Honors Introduction to Sociology

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course is an introductory survey of sociology covering its scope, methods and general principles. Topics emphasized include group behavior, race relations, population, social institutions, social change and social stratification. The purpose of the course is to assist the student in acquiring an understanding of society. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Note: This course contains Honors level material. Acceptance into the Honors Program or Permission from the Honors Director required. This class satisfies the General Education State Core Social Science/ History requirement for A.A. degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

SYG2010   Social Problems

Fall, Spring   3.00 Credits - 3.00 Hours

This course is an in-depth analysis into the scope and causes of major problem areas from the perspective of both the individual and the community. Consideration will be given to various possible remedial approaches to each problem area. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

**SYG2110H Honors Introduction to Social
                   Research**

Fall   3.00 Credits - 3.00 Hours

This course is applied sociology that will

pursue a unique, original research project each semester. It provides students with an in-depth understanding of social scientific research through experimental investigation. Utilizing the research project as a point of focus, this course includes training in all aspects of empirical research, including literature review, methodology, data collection, data coding, data analysis and presentation of results. Previous coursework in sociology or psychology is recommended. Honors level content. Permission required from Honors director. Prerequisites: Acceptance into Honors program. Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

SYG2230   Race and Ethnic Relations

Spring   **3.00 Credits - 3.00 Hours**

This course is designed to study the changing culture of our nation. Issues of race, ethnicity, gender, class, nationality and globalism will be explored. This course is also designed to provide information and strategies for living and working in a pluralistic, multi-cultural society. Values and ethics of diversity and commonality will be emphasized. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

SYG2311   Introduction to Conflict Studies

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course will explore the dynamics of conflict from a variety of frames. Students will

be provided with valuable insight about conflict that will help lead to an understanding regarding the conflicts they are likely to face in life, at school or work, in society as well as those they observe in national headlines. An introduction to the dispute resolution practices of mediation, facilitation and negotiation will be conducted. The examination of how one's gender and cultural perspective may influence the approach and outcome of the conflict will be discussed. Current trends and issues within the field of conflict management and resolution will be reviewed. The course will engage students in the theory and application of addressing conflict management and resolution on an individual, interpersonal and international perspective. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

SYG2340   Human Sexuality

Fall, Spring,   **3.00 Credits - 3.00**
Summer   **Hours**

This course is designed to present students with an interdisciplinary study of the sexual functioning of humans. Course information is drawn liberally from the disciplines of sociology, psychology and biology, providing students with an integrated introduction to the study of human sexual behavior. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

SYG2430   Marriage and the Family

**Fall, Spring,   3.00 Credits - 3.00
Summer   Hours**

This course is a historical and comparative study of courtship, mate selection, engagement, marriage, husband-wife relationships and child-rearing in the United States. Emphasis is placed upon the changing contemporary family with respect to social and economic status, sex, sources of marital conflict and social values. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

**SYG2949   Cooperative Education Internship
              in Sociology**

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn cooperative education credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement, permission from the Career Development Center and ENC 1101 with a grade of "C" or

higher. Corequisite: ENC 1101.

SYP2512   Sociology of Deviance

Fall, Spring   3.00 Credits - 3.00 Hours

This course will examine normative deviance through the sociological lens. It will focus on the social context, behaviors and societal reactions associated with deviance. Criminal and noncriminal forms of deviance will be investigated using a variety of theoretical perspectives. In approaching deviance sociologically, this course will highlight the social constructions of deviance and the influence of social control and stigmatization as reactions to deviant behavior. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101 with a grade of "C" or higher.

TAX2000   Federal Income Taxes I

Fall, Spring   3.00 Credits - 3.00 Hours

This course focuses on the federal income taxation of individuals. The course emphasizes conceptual framework underlying the U.S. tax system, tax accounting procedures and federal tax laws relating to the preparation of individual tax returns. Prerequisite: ACG 2021 with a grade of "C" or higher.

THE1020   Theatre Survey

Fall, Spring   3.00 Credits - 3.00 Hours

This course is a survey of the arts and crafts of the theatre. Students will discuss the playscript, the physical stage and the profession. The roles of the artists involved in theatre performance and production will be examined. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college

developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

THE1300   Survey Dramatic Literature

Spring   **3.00 Credits - 3.00 Hours**

This course is a survey of play scripts from Classical Greece to postmodernism and contemporary drama. A succinct history of western drama will be examined. This course partially fulfills the writing requirement of S.B.E. 6A-10.030. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

THE1304   Script Analysis

Fall   **3.00 Credits - 3.00 Hours**

This course will explore the dramatic form and structure of a play. Students will read and analyze the script in order to study the playwright's intentions, methods and meanings. The script will be examined as a blueprint for production and performance. This course partially fulfills the writing requirement of S.B.E. 6A-10.030.

THE2000   Theatre Appreciation

Fall, Spring   **3.00 Credits - 3.00 Hours**

This course surveys the art of theatre. Students will learn about the process of creating theatre through study of the production process and the many artists who participate in the creation of theatre. Through videos and attendance at live theatre, students will also learn the various forms of theatre, such as tragedy and comedy and various modes of

presentation, both presentational and representational. Students will also be introduced to theatre's historic roots and its diversity as expressed in various cultures throughout the globe. This course contains a reading and writing component. This course partially satisfies the writing requirement of S.B. E. 6A-10.030. This course satisfies the General Education State Core Humanities requirement for degree seeking students. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

THE2239   The Development of African American Theatre

Spring, Summer   **3.00 Credits - 3.00 Hours**

This course investigates the foundational African American presence in U.S. theatre. Through dramatic literature and theories of racial construction, the course will explore the historical, cultural and socio-political underpinnings of this theatre as an artistic form in American culture. Prerequisite: Eligibility to enroll in ENC 1101 OR test scores that indicate ENC 1101 eligibility OR completion of appropriate college developmental courses for ENC 1101 with grades of "C" or higher OR completion of EAP coursework for ENC 1101 eligibility with grades of "C" or higher.

THE2925   Theatre Production and Performance

Fall, Spring   **1.00 Credit - 3.00 Hours**

Theatre Production and Performance is open to all students of the College and is required of all theatre majors and minors. Theatre Production and Performance presents major productions throughout the year. Students

gain credit through performing roles and technical work. May be repeated for credit five times.

THE2930   Selected Studies in Theatre

Offered as Needed   3.00 Credits - 3.00 Hours

In this course topics of current interest are presented in group instruction. This course may be taken four times for credit.

THE2941   Theatre Internship - 1 CR

Offered as Needed   1.00 Credit - 1.00 Hour

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

THE2942   Theatre Internship - 2 CR

Offered as Needed   2.00 Credits - 2.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is

required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

THE2949   Theatre Internship - 3 CR

Offered as Needed   3.00 Credits - 3.00 Hours

This course is designed to provide students the opportunity to apply classroom theory to practical, work-related applications. Seminars may be a component of this course and regular contact with the assigned faculty advisor is required. Students may earn internship credits based on the completion of the required work experience and satisfactory completion of assignments including, but not limited to, seminars and a project. This course may be repeated based upon the student's academic program. Prerequisites: A minimum of 12 college credits (excluding prep courses) completed at Seminole State College which includes course(s) specifically aligned with the student's chosen major as identified in the student's program plan, a Seminole State College cumulative GPA of at least 2.5, appropriate job/internship placement and permission from the Career Development Center.

THE2950   Travel Study in Theatre

Offered as Needed   3.00 Credits - 3.00 Hours

This theatre travel study course combines

preparation on campus, travel and study. Content is variable depending on the program in which the student enrolls and the specific topics to be covered. Students must be 18 years of age on or before departure.

**THE2952   SSC Touring Company/
Performance**

Fall, Spring   3.00 Credits - 5.00 Hours

This course provides an authentic experiential learning experience in the performance process of a college theatre touring company production. Emphasis is placed on the artistic process including effective communication, work ethic, collaboration and execution of assigned duties throughout all phases of the performance to external middle/high school and community audiences, as well as internal audiences. Department consent required.

TPA1200   Stagecraft I

Spring   3.00 Credits - 3.00 Hours

This course is an introduction to the methods, tools and materials of scenery construction and stage lighting. Students will receive extensive experience in the theatre scene shop. Additional lab hours will be required.

TPA1248   Theatrical Make-up

Offered as Needed   2.00 Credits - 3.00 Hours

This course covers study in the techniques of achieving a visual character through the application of stage make-up. The following make-up techniques are covered: straight, corrective, old-age, imaginative (clown and fantasy), three-dimensional (noses, warts, scars, wrinkling) and hair (beards, mustaches, eyebrows, sideburns). Lab fee required.

TPA2000   Introduction to Stage Design

Fall   3.00 Credits - 3.00 Hours

This course is an introduction to the design process as it relates to the theatre. It includes study in design principles, script analysis and stylistic considerations. Students will learn basic skills culminating in conceptualizing and developing a design project.

TPA2180   Themed Environmental Design

Fall   3.00 Credits - 3.00 Hours

The course focuses on the practice of understanding and evaluating the creative process, visual demands, fabrication techniques, and custom project logistics for themed environmental design. The course addresses the processes and requirements of the art director/designer for themed environments such as theme park design, film/television production design, retailing/ display installations, trade show exhibits, zoo and museum dioramas, restaurants and immersive design, and advanced theatrical stage designs. The course will examine the roles of the client/designer relationship, the designer and the fabricator responsibilities, and the director/producer designer relationship within the themed environment creation process. The course will review standard industry fabrication practices, specialty products and common materials, construction and production techniques. The course will explore research techniques and resources, explore the history of this amazing field of study, and how to read the minds of the client/producer/director. Corequisite: TPA 2000

TPA2201   Technical Theatre Production

Fall   2.00 Credits - 3.00 Hours

This course is a study in the development,

theory and practice of all areas of technical theatre production. Corequisite: TPA 2201L.

TPA2201L Technical Theatre Production Lab

Fall   1.00 Credit - 3.00 Hours

This course covers practical projects in scenic construction. Students will receive extensive experience in the theatre scene shop. Corequisite: TPA 2201.

TPA2204 Stagecraft II

Spring   3.00 Credits - 3.00 Hours

This course is a continuation of the methods of fundamental stagecraft. Special emphasis on technical drawing and drafting for the stage as well as experience in the scene shop.

TPP1100 Acting I

Fall, Spring   3.00 Credits - 3.00 Hours

This course is an introduction to the principles of acting, including basic stage movement and theatre terminology. Work in the following areas will be studied: concentration, imagination, communication, improvisation, development of character, study of relationships and preparation for scene study.

TPP1200 Healthcare Theatre

Fall, Spring   3.00 Credits - 3.00 Hours

In this course students will learn to be simulated performers (patients, family members, healthcare workers, etc.) to prepare for employment as a standardized participant. This course is recommended for both performers and healthcare professionals to build interpersonal communication skills and a greater understanding of the behavioral aspects of patient care. Instruction will follow

standards of best practices of the Association of Standardized Patient Educators.

TPP1500 Movement for the Actor

Fall   3.00 Credits - 3.00 Hours

This course covers the identification and application of physical technique for actors. The major emphasis of this course is to provide an expressive range of gesture, movement dynamics and use of space for the ability to interpret text analysis into physical characterization for the actor. The course also offers actors techniques for increased physical flexibility, alignment and control. This course is recommended for all public performers.

TPP2111 Acting II

Spring   3.00 Credits - 3.00 Hours

This course is a continuation of skills taught in Acting I. Areas to be covered include exercises to develop the actor's ability to interact with others, examination of the structure of the given circumstances of the text and its relationship to performance, continued work in character development, monologues and scene presentations and basic audition processes. Prerequisite: TPP 1100 or permission of dean.

TPP2255 Musical Theatre / Opera Workshop

Fall, Spring   1.00 Credit - 2.00 Hours

This course is designed for music and theatre students to implement songs and staging of musical theatre and opera scenes. Students will expand their knowledge of, and ability to perform, this genre-specific repertoire. Vocal instruction techniques will use musical theatre and operatic literature in solo and ensemble performances. Corequisite: MVV 1110 or MVV 1311 or MVV 1411 or MVV 2321 or MVV 2421 or permission from department.

TPP2300   Directing

Spring   3.00 Credits - 3.00 Hours

This course is an introduction to the art of directing in the theatre. Students will become aware of the responsibilities of the director in the areas of research and analysis, organization, blocking, coaching and communication. Students will direct actors in scenes. Prerequisite: THE 1020 or THE 1304.

TPP2700   Voice and Articulation I

Spring   2.00 Credits - 3.00 Hours

The major emphasis of this course is to help individuals develop, maintain and improve their voice production via the right use of breathing, pitch and force. The minor emphasis is to help improve articulation. This course is recommended for all public performers.

TPP2701   Voice and Articulation II

Spring   2.00 Credits - 3.00 Hours

This course is an application of techniques studied in Voice and Articulation I with emphasis on improving articulation and pronunciation. Consideration is given to an elementary study of phonetics. Prerequisite: TPP 2700.

TRA2010   Transportation and Logistics

Fall   3.00 Credits - 3.00 Hours

This course deals with the role of logistics in the supply chain, the economy and the organization. Topics explored are customer service, logistics information systems, inventory management, materials management and supply chain management. The objective is to explore the full scope of the transportation plant and services as a

necessary preparation to efficient use of the transportation system.

TRA2131   Purchasing Management

Spring   3.00 Credits - 3.00 Hours

This course covers the study of purchasing skills as they relate within supply chain management. The course will cover inventory control, purchase orders, the importance of documentation and purchasing procedures. The purchasing function will be examined within the context of public, non-profit and private sector organizations.

TRA2230   Warehouse Management

Spring   3.00 Credits - 3.00 Hours

This course is an introduction to the practical concepts of warehousing, including the types of equipment, storage processes and systems, the technologies used to identify and track units in a warehouse and the regulations designed to ensure safety in warehouse operations. The principles and processes of warehouse management are discussed within the greater context of the supply chain.

TSL2083   Introduction to ESOL Principles and Practices

Fall, Spring   3.00 Credits - 3.00 Hours

This course is designed to introduce students to the issues, principles and practices of teaching English to speakers of other languages. It provides the foundation of knowledge necessary to meet the instructional needs of linguistically and culturally diverse students. Topics include effective teaching strategies, differentiated instruction, assessment strategies and techniques to accommodate the needs of English learners and culturally diverse students. This course is designed for pre-service and in-service

teachers or individuals currently holding a teaching certificate.

TSL4100   ESOL Curriculum, Methods, and Assessment

Fall   3.00 Credits - 3.00 Hours

This course is designed to prepare teacher candidates in knowledge and application of TESOL theories, principles, and current research in the field of ESL/ESOL teaching. Teacher candidates will gain understanding in how to manage and implement a variety of teaching strategies and techniques for developing ELLs' English listening, speaking, reading, and writing skills as well as adapting core curriculum and instructional resources to the needs of ELLs. Teacher candidates will also study assessment instruments and assessment issues as they affect the learning of ELLs from diverse backgrounds and at varying English proficiency levels. Concurrent field-based school experience required to observe, work with students, and complete projects/ assignments related to TSL 4100. This course requires a field experience in a k-12 classroom setting which will coincide with your Pre-Internship Field Experience I placement. This is a companion course to EDE 4941. Hours may vary. Course objectives and assignments are designed to prepare students for the Florida ESOL Endorsement (Domains 3, 4, & 5). Prerequisite: TSL 4520. Corequisite: EDE 4941 or EEX 3940.

TSL4520   ESOL Foundations: Language and Culture

Fall   3.00 Credits - 3.00 Hours

This course is designed to prepare teacher candidates in understanding and knowledge of language and culture that are relevant for English Language Learners (ELLs). This course will focus on the theories related to culture in language and theories on second language acquisition for ELLs from diverse

backgrounds. Teacher candidates will gain an understanding of language as a system to support ELLs' acquisition of English and the role culture plays in language acquisition. Teacher candidates will also identify different variables and factors that affect second language acquisition and literacy development for ELLs. Course objectives and assignments are designed to prepare students for the Florida ESOL Endorsement (Domains 1 & 2). Corequisite: EDG 3622.

WOH1022   World History Since 1500

Offered as Needed   3.00 Credits - 3.00 Hours

Taking both a thematic and chronological approach, this course explores the ways in which peoples across the world have engaged, conflicted and cooperated with one another since 1500 CE. We will emphasize the ways in which individuals and groups have experienced and influenced larger historical trends, including exploration and colonization, the rise of capitalism and challenges to capital, decolonization and globalization. Throughout the semester, we will learn how historians create knowledge and practice historical thinking and skills.

WOH2232   Survey of Early Christianity

Fall, Spring,   3.00 Credits - 3.00 Summer   Hours

This survey course traces the historical background and development of Christianity from the first century to the Medieval period. There is an emphasis on the Hebraic roots of Christianity, the political and social setting of Palestine during the time of Jesus of Nazareth and the problems involved in the so-called, "Quest for the Historical Jesus." The missionary work of St. Paul is closely examined, as is emerging Christian doctrine between 100 and 500 C.E. Philosophical and spiritual alternatives to Christianity are also analyzed, as is Christianity's relationship to

the Roman and Byzantine Empires. Everyday life and forms of worship among Christians are studied, as is Christianity as a political institution. While matters of faith and doctrine are discussed, the course perspective is historical rather than religious. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

WOH2930 Selected Studies in World History

Offered as Needed   1.00 Credit - 1.00 Hour

This course covers topics of current interest.

Glossary of Terms

Accreditation - Certification that the College has met established standards and is nationally recognized by appropriate accrediting agencies.

Add/Drop - A designated time period during which students can add or drop classes and make adjustments in their schedule without penalty or cost.

Adult General Education - Adult General Education classes are for individuals who need to improve basic reading, writing and language skills.

Adult Secondary - Adult secondary programs are for students who are older than 18 years of age and are seeking a high school diploma or a GED®.

Advanced Placement - Earning of college credits prior to enrollment (usually during high school) by passing certain examinations, such as those administered by the College Entrance Examination Board.

ACT - Formerly known as the American College Testing Program and nationally recognized achievement test, The ACT Assessment is designed to assess high school students' general educational development and their ability to complete college-level work. The test covers four skill areas: English, mathematics, reading and science.

Articulation Agreement - Agreement between Florida's public state colleges and universities assuring junior-level status to students who complete the state college general education and graduation requirements in university parallel (A.A. degree) programs.

Assessment - Initial testing and subsequent evaluation of students to aid in placement and progress in reading comprehension, writing, English, arithmetic and algebra.

Associate in Applied Science (A.A.S.) - Career or technical-focused degree designed for students who want to enter a specific employment field. A.A.S. degrees are not designed to transfer to a four-year institution.

Associate in Science (A.S.) Degree - Career education programs designed to allow students to immediately pursue careers which require a college degree at the technical or para-professional level. Some A.S. degrees transfer to a university.

Associate in Arts (A.A.) Degree - This degree is designed for transfer to a four-year institution. The equivalent of two years of full-time academic coursework at a state college plus two academic years at a university result in a student receiving a bachelor's degree.

Audit - Credit classes taken for no credit. Usually used as a refresher course.

Bachelor of Applied Science (B.A.S.) Degree - A four-year, college credit degree program designed to prepare students for advancement within specific workforce sectors.

Bachelor of Science (B.S.) Degree - A four-year degree (typically 120 credit hours, with some exceptions) with a scientific emphasis.

Basic Abilities Test (BAT) - Per state mandate, effective 2000, the Florida Department of Law Enforcement (FDLE) requires the Basic Abilities entrance exam for criminal justice and law enforcement programs. Sixteen ability components, identified by FDLE as important for success in law enforcement training and job performance, are assessed with BAT. The Criminal Justice Basic Abilities Test (CJ-BAT) is approved for Law Enforcement programs and the Florida credentialing process. The Florida Basic Abilities Test (F-BAT) is approved for Correctional Officer training programs.

Career and Technical Programs - A.S. Degree, Applied Technology Diploma, Technical Certificate and Career Certificate programs with courses designed to prepare students for specialized occupations.

Career Certificate (previously named PSAV) - Career training programs for students planning to enter vocational and technical career fields which do not require a degree.

Catalog in Force – The catalog of the year when a student first enrolls provided the student has maintained continuous enrollment. Its graduation requirements can be followed for up to five years.

Certificate of Professional Preparation (C.P.P.) – A college credit certificate designed to prepare baccalaureate degree holders for licensure, certification, credentialing, examinations or other demonstrations of competency necessary for entry into professional occupations.

Cooperative Education (Co-op) – Method of earning credit for employment under special arrangements.

College Credit Certificate – College credit program of study designed to provide the basic professional courses of an occupation.

College Level Academic Skills (CLAS) – The state of Florida Legislature repealed the requirement to pass the "College Level Academic Skills Test" (CLAST) to be awarded an Associate in Arts degree effective July 1, 2009. However, the College Level Academic Skills (CLAS) requirements remain in effect. The CLAST is now called the CLAS requirements. What were termed "exemptions" are now the "requirements."

College Level Examination Program (CLEP) – An acceleration method of earning college credit by exam, The College-Level Exam Program or CLEP provides students of any age with the opportunity to demonstrate college-level achievement through a program of exams in undergraduate college courses.

College Night – An evening for students, prospective students, families and friends to meet and visit with representatives of more than 100 colleges and universities. Usually held in early October.

College-Preparatory/Developmental Courses – A combination of placement testing and mandatory special courses designed to ensure that students have college-level reading, writing or math skills prior to attempting college-level courses.

Common Prerequisites – The State of Florida has identified Common Prerequisite courses for all university majors. These prerequisites must be completed by all students going into that field of study.

Computerized Placement Test (CPT) – The College uses ACCUPLACER, a Computerized Placement Test (CPT), to provide information on the student's level of skill and accomplishment in reading, English and mathematics. The test is used to determine the appropriate placement in English, mathematics and reading courses.

Continuing Education Unit (CEU) – One CEU is awarded for every 10 contact hours of instruction in an organized continuing education, non-credit course.

Continuing Workforce Education – Courses and programs designed to provide skills and knowledge to students pursuing short-term career enhancement goals.

Continuous Enrollment – Unbroken enrollment in Fall and Spring terms.

Corequisite – A course required to be taken at the same time as another course.

Course Load – The number of credit hours being attempted. A full-time course load is 12 credit hours or more of course work in a 16-week term; six credit hours in a 12-week term such as the Summer Term.

Credit-by-Examination – The award of credit based on the demonstration of knowledge as assessed on an examination. Examples of this include Advanced Placement, International Baccalaureate, CLEP and DANTES programs.

Credit Hour – One credit represents one hour spent each week in class during a 16-week term. For example, a student enrolled in ENC 1101 (3 credits) spends approximately three hours weekly in 16 weeks of class.

Cut-off Score – State mandated minimum score level that must be met or exceeded for placement in college credit coursework.

Defense Activity for Nontraditional Education Support (DANTES) – DANTES Subject Standardized Test (DSST) is an accredited method of credit by exam. Prometric(R), makes the DSST Program available. College credit is awarded to those who demonstrate knowledge comparable to someone who completed the course in a classroom.

Degree Audit – Formal list of courses completed and required to be completed to qualify for graduation. A degree audit is performed by the Registrar's Office at the student's request. A student should make such a request after successfully completing 40 semester hours and before their last term.

Degree Seeking Students – Students who have been admitted to a degree awarding program (A.A., A.S., B.S., or B.A.S.) or a college credit technical certificate program.

Dual Enrollment – Enrollment by a high school student in one or more courses that count for credit in both high school and college.

Early Admissions – An accelerated program for 12th grade high school students to earn both high school and college credits. Student must enroll in a minimum of 12 credit hours per term. Qualified students may enroll in courses based on placement testing and appropriate admissions requirements.

eLearning (formerly known as distance learning) – Video, online and mixed modality courses that are delivered via video and/or online and serve as an alternative to traditional, campus-based instruction.

Elective – Courses in excess of the general education requirement. In most cases, the course should relate to the student's major. Consult with an academic advisor for more information.

English for Academic Purposes (EAP) – College credit English as a second language courses for non-native speakers of English.

English for Speakers of Other Languages (ESOL) – Courses for students who are speakers of languages other than English and who need to improve their basic English skills in reading, writing, grammar, listening and speaking.

English Language Proficiency Assessment (ELPA) – Generic term for any English language proficiency test for non-native speakers of English. See LOEP.

Entry Assessment – An evaluation of basic skills to determine course placement. Course placement may include college-preparatory and/or college-level courses. See CPT, ELPA , PERT, and LOEP.

Exemption – Test requirement is met with another acceptable requirement. The requirements are NOT waived but met with another 'allowable' requirement.

Family Educational Rights and Privacy Act (FERPA) – The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. S 1232g; 34 CFR Part 99) is a Federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's education records. These rights transfer to the student when he or she reaches the age of 18 or attends a school beyond the high school level. Students to whom the rights have transferred are "eligible students."

Fee – A financial charge for courses or services.

Financial Aid Transcript – Official record of financial aid funds received by a student. This is required of all students who transfer from another institution and apply for financial assistance.

Florida Teacher Certification Examinations (FTCE) – Florida Teacher Certification Examinations (FTCE) is the collective name for the Florida teacher certification tests which include the Professional Education Test (PEd), the General Knowledge Test (GK), and the Subject Area Examinations (SAE). Certification testing requirements for teacher candidates are described in Florida Statutes (FS), Chapter 1012 and Florida Administrative Code (FAC) 6A-4.0021.

Florida Statutes – A permanent collection of state laws organized by subject area into a code made up of titles, chapters, parts and sections. The Florida Statutes are updated annually by laws that create, amend or repeal statutory material. This includes the School Code Rewrite (selection of material in chapters 228-246 and creation of new code and chapters 1000-1013).

First Time In College (FTIC) – Term used to define first term of college enrollment following the attainment of a GED® or High School Diploma. This population of students is intricately tied to performance funding.

Foreign Language Requirement – A requirement of Florida's state universities. Universities generally require two years of the same foreign language at the high school level or 8-10 credit hours at the state college level.

Full Cost of Instruction Fee – The amount, exclusive of state funding, established by the College to pay all costs associated with teaching a course.

Full-Time Student – Enrollment for 12 or more credit hours in Term I or II, six or more semester hours in Term IIIA or IIIB and other A or B terms.

General Education – Thirty-six credit hours of liberal arts courses required in university parallel, A.A. Degree programs, as well as B.S. and B.A.S. programs. Fewer General Education credit hours are required in A.S. Degree programs.

General Educational Diploma (GED®) – The State of Florida awards the equivalent of a high school diploma for students who pass all categories of a GED® test. The GED® program consists of courses that prepare students to take the GED® test.

General Knowledge Test (GK) – State mandate effective July 1, 2002, the Florida Teacher Certification Exams (FTCE) requires passing the General Knowledge Test for Florida teacher certification. The GK is a basic skills achievement test.

Gordon Rule – State Board of Education (SBE) Rule 6A-10.030, also known as the Gordon Rule, requires students graduating with an A.A. Degree to meet specific requirements in the areas of writing and mathematics. Satisfactory completion of this rule requires that a student earn a grade of "C" or higher in each applicable course.

Grade – Alphabetical measures of academic success ranging from excellent (A) to failure (F).

Grade Forgiveness Policy – The Grade Forgiveness Policy permits students to repeat a course in an attempt to improve a grade. Repeating a course is permissible only for courses in which a student earned a "D" or an "F." A student will be limited to two repeats per course. Upon a third attempt, the grade issued will be the final grade for that course.

Grade Point Average (GPA) – A measure of the student's scholastic standing obtained by dividing the total number of grade points earned by the total number of credit hours attempted.

Grade Points – A numerical value assigned to each grade for the purpose of computing grade point average (GPA).

Graduation Application – The application a student must file in the Records and Registration Office to be awarded a degree. This application must be submitted by the deadline date listed on the College Calendar.

Grant – Funds which do not require repayment awarded for college expenses to qualified students in financial need.

Hybrid/Reduced on Campus Time – Online or remote video instruction with face-to-face classes on campus on specific days and times.

Independent Study – Capable students may acquire course credits at their own pace through non-classroom, student-faculty interaction. An additional fee is charged. Special permission is required.

International Student – A student who has entered the United States on a non-immigrant visa, most often an individual on a student visa. Immigrants, refugees and U.S. citizens who do not speak English as a native language are not classified as international students.

Institutional Credit (E.P.I.) – A competency-based program that provides baccalaureate degree holders in a field other than education the opportunity to become certified K-12 teachers.

Institutional Testing Administrator (ITA) – One ITA is appointed in each participating institution. This person coordinates and directs the administration of a specified examination.

Learning Community – Courses that are thematically linked and integrated across different subjects or disciplines with the purpose of enhancing student learning and success. Typically students are concurrently enrolled in two or more courses, and they participate in group study sessions, career exploration, community service

and personal/professional development activities.

Levels of English Proficiency (LOEP) – A test designed to determine the English ability of students whose native language is not English.

Limited-Access Programs – Some specialized programs are regularly identified as limited-access. They have additional admission criteria and the number of students who may enter the program is limited. Limited-access programs may have specific enrollment eligibility requirements imposed because of the following: (a) physical facility limitations; or (b) state licensure rules and regulations established and implemented pursuant to laws, rules and regulations over which the College has no discretionary authority. Limited-access program students are selected for admission to these programs based upon Equal Access/Equal Opportunity standards, past student performance, current academic performance and continuing academic potential.

National College Testing Association (NCTA) – The National College Testing Association (NCTA) is an organization of testing professionals in post-secondary institutions and testing companies focusing on issues relating to professional standards, test administration, test development, test scoring and assessment.

Non-credit – A course for which college credit is not granted.

Non-Degree Seeking Students – Students wishing to earn college credit for self-enrichment, teacher certification or transfer to another college.

Online Courses – Courses offered in an online instructional format using the College's Learning Management System.

Orientation – Prior to registering for courses, new students must participate in an online student orientation session and advising appointment.

Part-Time Student – Students enrolled in a total of six to eleven credit hours in any term.

Postsecondary Education Readiness Test (PERT) – The College uses the Postsecondary Education Readiness Test to provide information on the student's level of skill and accomplishment in

reading, English and mathematics. The test is used to determine the appropriate placement in English, mathematics and reading courses.

Prep Exit Exam – Also known as the Florida College Basic Skills Exit Test, this state-mandated test is administered to students completing college preparatory coursework. Students must pass this exam prior to enrollment in college credit general education, English or mathematics courses that apply to degree requirements.

Prerequisite – A course or placement score requirement that must be satisfactorily completed before taking the next higher level in a related course.

Probation – A status given to students who fail to maintain satisfactory academic progress.

Provisional Student – A student who has not met all necessary requirements for admission and, thus, has restrictions on the courses that may be taken.

Quality Points – The value, ranging from 4 to 0, for grades from A to F for all courses completed, used in determining a grade point average. (Also see GPA.)

Registration – The process of enrolling for courses. May be accomplished in person or online. Non-credit registrations can also be completed by fax or mail.

Regionally Accredited Institution – Colleges and universities accredited by any of the following six regional associations: Middle States Commission on Higher Education, New England Association of Schools and Colleges - Commission on Institutions of Higher Education, North Central Association of Colleges and Schools - The Higher Learning Commission, Northwest Commission on Colleges and Universities, Southern Association of Colleges and Schools - Commission on Colleges and the Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities and Accrediting Commission for Junior Colleges.

Remote – Classes meet virtually via live video for lectures and discussion. Students attend virtual classes on set days and times.

Reserve Officers Training Corps (ROTC) – ROTC

programs are offered at the University of Central Florida. Students may, through cross- or dual-enrollment, earn college ROTC credit and degree credit.

Residency – To qualify for in-state fees, students must sign a notarized statement confirming that they have resided in Florida 12 consecutive calendar months prior to the start of classes for the term in which they wish to enroll.

Restricted Access Programs – Some specialized programs are designated restricted access. They have additional admission criteria established and implemented related to past student performance, current academic performance and/or continuing academic potential. Equal Access/Equal Opportunity standards also apply to admission to restricted access programs.

Scholastic Aptitude Test (SAT) – A nationally recognized college aptitude test, it was renamed the SAT I: Reasoning Test in 1993. The assessment is designed to predict student readiness for college work.

Student Transition and Academic Resources (STAR) Center – Located on the Altamonte Springs and Sanford/Lake Mary campuses, STAR offers student assistance in Vocational Preparatory Instruction (VPI) for certificate seeking students needing remediation, professional tutoring and test preparation material.

State Board of Education (SBE) – Florida's state education governing body.

Student Course Load – Number of credit hours carried by a student each term.

Student Government Association (SGA) – Official representatives of the student body to the administration in matters concerning student life.

Student Life – The office responsible for coordinating social, cultural, intellectual, recreational, leadership, group development, campus and community service projects, lectures and concert programs and advising for student organizations.

Student Support Services – Support, advising, assessment, tutoring and other services provided to students who are qualified due to educational, economic, cultural, verbal or physical disadvantage. A federally funded program.

Suspension – Student status under which a student is not permitted to attend college for a specific period of time.

Term – Time period during which classes meet. Fall and Spring terms are approximately 16 weeks. Summer term is 12 weeks. A three-credit course meets approximately 45 hours during a term.

Test of Adult Basic Education (TABE) – Complete Battery Level 9 or 10 (and Complete Battery Level 7 or 8 until no longer supported by the publisher) is an academic assessment used in career certificate programs and additionally used for admission purposes in some Health Sciences Programs. The State Board of Education mandates program exit requirements for career certificate programs in excess of 450 clock hours.

Test of Essential Academic Skills (TEAS) – TEAS replaces the NET and HOBET test used for Admission Points to some limited-access Health Sciences Programs. The Test of Essential Academic Skills (TEAS) is a multiple choice test designed to determine the academic readiness of applicants to post-secondary education programs. It is used to evaluate the academic preparedness of students entering some Health Sciences Programs. The TEAS contains four subtests: Math, Science, English and Reading.

Transcript – A student's official academic record of college courses, grades, biographical and test data.

Transfer Student – A student who attended a college or university before coming to the present institution.

Transient Student – One who attends a few classes at one educational institution to complete degree requirements at another institution. A transient student letter from the host institution must accompany the student at the time of registration.

Tuition – Financial charge for each credit hour of instruction.

University Parallel Program - Courses of study leading to the A.A. degree which parallel the lower-

division requirements of a bachelor's degree.

Vocational Credit – Vocational Credit is different from college credit. It does not transfer to other colleges and universities and is not applicable to college credit certificates or degrees. Accumulation of vocational credits in a specific area may result in a Career Certificate (previously named PSAV). Thirty clock-hours of instruction equal one vocational credit. Fees for vocational credit courses are charged on the basis of vocational credit.

Waiver – Requirement waived typically due to a learning disability. The requirement is not exempted but is waived.

Weekend College – Classes offered Friday evening, Saturday or Sunday.

Withdrawal – A student can withdraw (by completion of proper forms) from any course in a term by the established date. Withdrawals after that date will be granted only through established institutional procedures. A student will be limited to two withdrawals per course. Upon the third attempt, the student will not be permitted to withdraw and will receive a grade for that course.

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