



# GUIDED PATHWAYS TO SUCCESS

GULF COAST STATE COLLEGE CATALOG  
**2026-27**

**CHART  
YOUR  
PATH**



Humanities, Arts, Design, &  
Communication Pathway



Health Sciences Pathway



STEM Pathway



Public Safety Pathway



Social, Behavioral Sciences,  
& Education Pathway



Business, Industry, Technology,  
& Manufacturing Pathway



**Gulf Coast State College**  
**5230 West Highway 98**  
**Panama City, Florida 32401**  
**(850) 769-1551 facsimile (850) 872-3836**  
**Toll Free: 1-800-311-3685**  
**Telecommunications Device for the Deaf (TDD) (850) 872-3834**  
**Florida Relay System 1-800-955-8771 (TDD only)**  
<https://www.gulfcoast.edu>

Gulf Coast State College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate and baccalaureate degrees. Gulf Coast State College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Gulf Coast State College 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](https://www.sacscoc.org).

Gulf Coast is also a member of the American Association of Community Colleges, Association of Florida Colleges, American Council on Education, and Council for Advancement and Support of Education.

Gulf Coast State College is an equal access, equal opportunity institution which does not discriminate against any person in its programs, activities, policies, or procedures on the basis of race, ethnicity, color, national origin, marital status, religion, age, gender, sex, pregnancy, sexual orientation, gender identity, genetic information, disability, veteran status, or any other characteristic protected by law. All questions or inquiries regarding compliance with laws relating to non-discrimination and all complaints regarding sexual misconduct or discrimination, may be directed to Amanda Reed, Executive Director of Human Resources /Title II/504/ Title VI /Title IX Coordinator/Civil Rights Compliance Officer, Gulf Coast State College, 5230 W. US Highway 98, Panama City, FL 32401; 850-872-3866. Rules, policies, fees, and courses described in this catalog are subject to change without notice.

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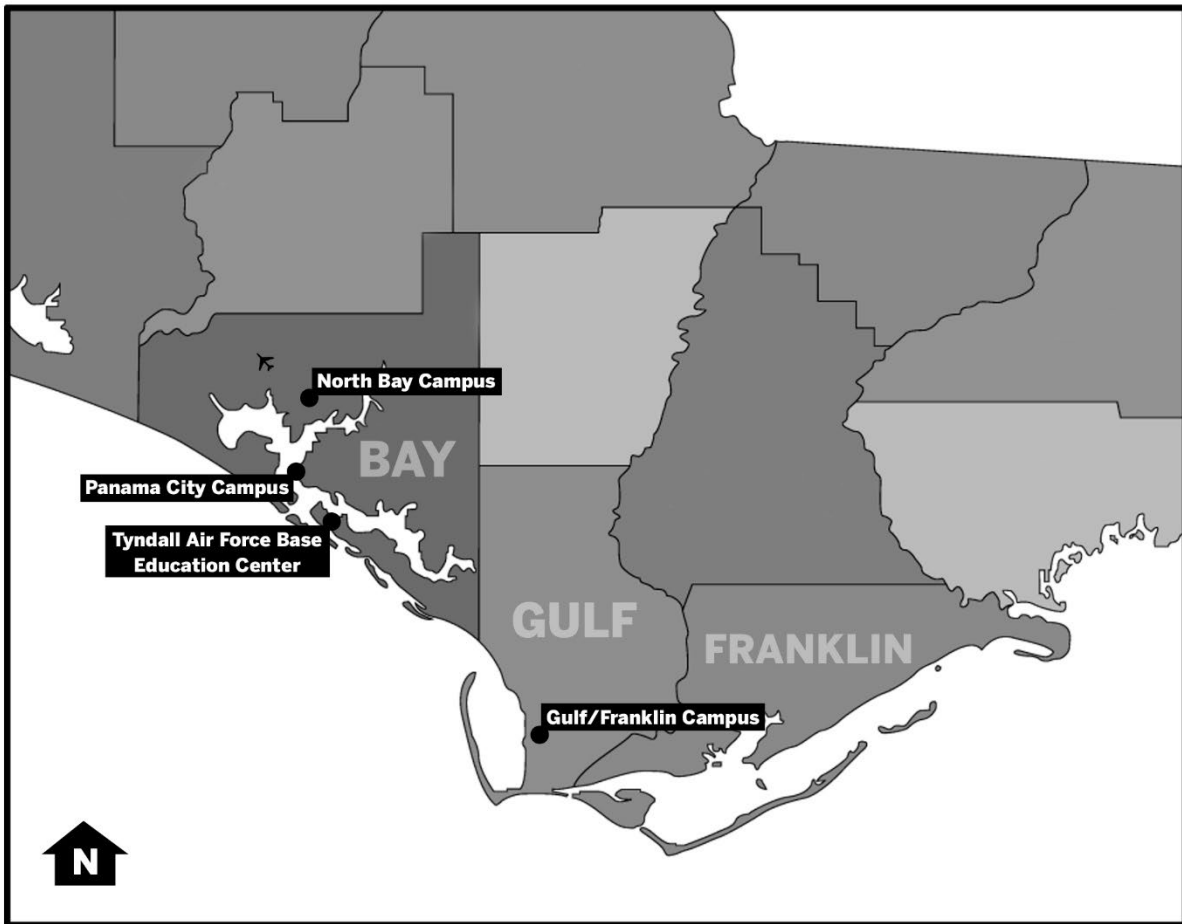
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## **GCSC Service District** **Bay, Gulf & Franklin Counties**







## NORTH BAY CAMPUS MAP



- |   |  |   |                                 |    |                           |  |                    |
|---|--|---|---------------------------------|----|---------------------------|--|--------------------|
| 1 | GCSC Public Safety Complex<br>Bay County Emergency Operations Center (EOC) | 5 | Classroom B                     | 10 | Abbott Classroom Building |  | Accessible Parking |
| 2 | Helicopter Pad   | 6 | Restrooms                       | 11 | Radio Tower & Transmitter |  |                    |
| 3 | Driving Range  | 7 | Fire/Marine Burn Building       |    |                           |  |                    |
| 4 | Classroom A  | 8 | Underwater Rescue Training Pond |    |                           |  |                    |
|   |  | 9 | Firing Range                    |    |                           |  |                    |

Map produced for Gulf Coast State College by mapformation, LLC.  
Last updated February 2016.

2026 - 2027 College Calendar	Fall 2026 (202608)			Spring 2027 (202701)			Summer 2027 (202705)		
	Session A 8/17 - 12/10	Session B 8/17 - 10/7	Session C 10/12 - 12/10	Session A 1/8 - 5/7	Session B 1/8 - 3/3	Session C 3/4 - 5/7	Session A 5/14 - 7/29	Session B 5/14 - 6/22	Session C 6/23 - 7/29
Early Registration for Students Receiving Veteran Benefits from GSCC	March 27	March 27	March 27	October 30	October 30	October 30	March 26	March 26	March 26
Open Registration for all campuses (Excludes Sat., Sun. & holidays) (See In - service Day below.)	March 30	March 30	March 30	November 2	November 2	November 2	March 29	March 29	March 29
Registration Fees Due	August 7	August 7	(After August 7, fees due at point of registration)	January 7	January 7	(After January 7, fees due at point of registration)	May 13	May 13	(After May 13, fees due at point of registration)
Classes Begin	August 17	August 17	October 13	January 8	January 8	March 4	May 14	May 14	June 23
State Employee Fee Waiver Registration	August 17 - 21	August 17 - 21	October 13 - 13	January 8 - 13	January 8 - 13	March 4 - 5	May 14 - 19	May 14 - 19	June 23 - 23
Drop/Add	August 17 - 21	August 17 - 21	October 13 - 13	January 8 - 13	January 8 - 13	March 4 - 5	May 14 - 19	May 14 - 19	June 23 - 23
Just day to submit residency fee waiver documentation by 4:00 p.m.	August 21	August 21	October 13	January 15	January 15	March 3	May 19	May 19	June 23
Just day to cancel registration/drop courses and receive a refund (by 11:59 p.m.)	August 21	August 21	October 13	January 15	January 15	March 3	May 19	May 19	June 23
Just day to change major and credit to audit	August 21	August 21	October 13	January 15	January 15	March 3	May 19	May 19	June 23
Midterm	October 7	September 10	November 4	March 3	February 4	April 3	June 22	June 22	July 12
Student initiated Withdrawal deadline	October 14	September 18	November 12	March 10	February 11	April 12	June 29	June 29	July 19
Final Examinations	December 4 - 10	October 7	December 10	April 30 - May 6	March 3	May 3 - 6	July 25	June 22	July 25
Term Ends	December 10	October 7	December 10	May 7	March 3	May 7	July 25	June 22	July 25
Grades available via Banner	December 15	October 13	December 15	May 11	March 8	May 11	August 3	June 23	August 3
Graduation Application deadline	September 28	September 28	September 28	February 26	February 26	February 26	June 14	June 14	June 14
Honors Convocation				April 30					
Commencement				May 7					
In-service Day	August 12	August 12		College Closed for all students					
Student Holidays - Classes will not be held on these days:	September 3 - 7 October 8 - 9 November 11 November 23 - 29 December 14 - January 1 December 14 - January 1	September 3 - 7 October 8 - 9 November 11 November 23 - 29 December 14 - January 1 December 14 - January 1	January 16 - 18 March 13 - 19	January 15 January 16 - 18 March 13 - 19	January 15 January 16 - 18 March 13 - 19	January 15 January 16 - 18 March 13 - 19	May 29 - 31 July 3 - 3	May 29 - 31 July 3 - 3	May 29 - 31 July 3 - 3
Faculty - Christmas Break / New Year				College closed for all students and employees					
Memorial Day							May 29 - 31	May 29 - 31	May 29 - 31
Independence Day							July 3 - 3	July 3 - 3	July 3 - 3
School Day	September 3 - 7 November 11 November 23 - 29 December 14 - January 1	September 3 - 7 November 11 November 23 - 29 December 14 - January 1	January 16 - 18 March 13 - 19	January 16 - 18 March 13 - 19	January 16 - 18 March 13 - 19	January 16 - 18 March 13 - 19			
Veteran's Day									
Thanksgiving Holidays									
Christmas Break / New Year's holiday									
Martin Luther King, Jr. Day									
Spring Break									

Gay Coast State College reserves the right to change the college calendar, or to make other changes deemed necessary, giving advance notice of change when possible.

## District Board of Trustees



Tricia Berry, of Panama City, is a native of the Florida Panhandle and has called Bay County home since 2009. She received her A.A. from Chipola Junior College, B.S. in Nursing at the University of Florida, and M.S. in Nursing at UF, as well. As Co-Owner of Panhandle Pediatric Dentistry, Mrs. Berry has aided in expansion of one of the largest, privately-owned pediatric dental practices in the state of Florida, developing offices across Northwest Florida and serving the specialized dental needs of children. Mrs. Berry has devoted her time to community needs and support for a number of years by serving on boards and in leadership positions with Life Management Center of Northwest Florida Foundation, Boys and Girls Clubs of Bay County, Holy Nativity Episcopal School BOT, FSU-PC Development Board, Bay County Chamber of Commerce, and Holy Nativity Episcopal Church Vestry. In addition to being an Honorary Commander for the 325th MDG unit at Tyndall Air Force Base, she has also had the privilege of serving as President for the Junior League of Panama City. She was appointed by Governor Ron DeSantis on December 6, 2022.

Holy Nativity Episcopal School BOT, FSU-PC Development Board, Bay County Chamber of Commerce, and Holy Nativity Episcopal Church Vestry. In addition to being an Honorary Commander for the 325th MDG unit at Tyndall Air Force Base, she has also had the privilege of serving as President for the Junior League of Panama City. She was appointed by Governor Ron DeSantis on December 6, 2022.



Boyd Bulger, of Port St. Joe, is President of the Bulger Company. Previously, he held leadership positions with CTI Foods and Tyson Foods. Mr. Bulger has served on the Universal Pure Advisory Board, has volunteered his time with the American Pecan Board, and he currently serves as Chair of the Rebuild Committee of First United Methodist Church. Mr. Bulger attended Gulf Coast State College before earning his bachelor's degree in business from Florida State University. He was appointed by Governor Ron DeSantis for a term beginning January 12, 2021, and ending May 31, 2023.



William C. "Bill" Cramer, Jr., of Panama City Beach, is the owner and President of Bill Cramer Chevrolet Cadillac Buick GMC, Inc. Mr. Cramer earned his bachelor's degree in mathematics from the University of North Carolina (Phi Beta Kappa) and his Juris Doctor from Harvard Law School. He previously served as a trustee of Gulf Coast State College for eighteen years and was chair for fifteen. He has been a member of the board of directors of the college's foundation since 1987. Mr. Cramer was elected chair of the Florida Association of Community Colleges Trustees Commission in 2001. He served on the Board of Visitors of the Community College of the Airforce for six years, three as chair. He was the public commissioner

from Florida on the Southern Association of College and Schools Commission on Colleges from 1994 to 1997. Mr. Cramer has received the following awards for his achievements as a trustee: Association of Community College Trustees M. Dale Ensign National Leadership Award (2005) Florida Association of Community Colleges Trustee of the Year Award (2000 and 2004) Florida Association of Community Colleges Exemplary Role Model (2004) Gulf Coast Community College Distinguished Service Award (1995) He was appointed by Governor Ron DeSantis on December 6, 2002.



Mr. Ted Howell is a Partner at Perry & Young Law Firm. Active in his community, he is the Chairman of the Marianna/Panama City District of the United Methodist Church Board of Trustees and is a member of the Tyndall Federal Credit Union Board of Directors. Mr. Howell earned his bachelor's degree in industrial and systems engineering and his juris doctor from the University of Florida. He was appointed by Governor Ron DeSantis for a term beginning April 2, 2026.



Mr. Mark Sheldon is the Chief Operating Officer for PCB Entertainment and R&M Entertainment. Active in his community, he is the Chair of the Panama City-Bay County Airport and Industrial District and was previously elected as the Mayor of the City of Panama City Beach. Mr. Sheldon earned his bachelor's degree in business administration from Husson University. He was appointed by Governor Ron DeSantis for a term beginning April 2, 2026.



Frank Hall, of Lynn Haven, is the President, Florida Region of Cadence Bank. He is actively involved with the Panama City Port Authority, HCA Gulf Coast Hospital Board of Directors, Florida State University Foundation, Florida State University (Panama City) Dean's Council, Alignment Bay County, and the Value Adjustment Board for Bay. Mr. Hall earned his associate's degree in business administration from Gulf Coast Community College, his bachelor's degree in business management from Florida State University, and his banking diploma from Louisiana State University's Graduate School of Banking. He was reappointed by Governor Ron DeSantis for a term beginning December 6, 2022.



David Powell of Panama City, is the Commercial Lender Manager with Innovations Federal Credit Union. Previously, he held positions with Brown and Brown Insurance, Hancock Bank, and Peoples First Community Bank. Mr. Powell has been involved with the Bay County Military Affairs Committee, Bay County Chamber of Commerce, Bay Education Foundation, the Anchorage Children's Home, and the Panama City Beach Chamber of Commerce. He earned his associate's degree from Gulf Coast Community College, his bachelor's degree in finance and real estate from Florida State University, and his banking diploma from Louisiana State University's Graduate School of Banking. He was reappointed by Governor Ron DeSantis for a term beginning December 6, 2022.



Floyd Skinner of Panama City, is the President of Skinner Tax Consulting, Inc., a company he started in 1994. He served in and received an honorable discharge from the United States Army. Mr. Skinner has volunteered his time with the Encompass Health Rehabilitation Hospital Board, Bay Medical Center Foundation and Board of Trustees, Salvation Army of Panama City, Gulf Coast State College Foundation, and the Florida State University-Panama City Dean's Advisory Council. He received his bachelor's degree in accounting from the University of Alabama Birmingham and his master's degree in taxation from the University of New Haven, Connecticut. He was appointed by Governor Ron DeSantis for a term beginning January 13, 2021, and ending May 31, 2024.



Joe Tannehill, Jr., is President and CEO of MERRICK Industries, Inc., a custom-design capital goods manufacturing company based in Lynn Haven, Florida, serving industrial customers worldwide. He holds a B.S. in Electrical Engineering from Vanderbilt University, a M.S. in Electrical Engineering from the University of Kentucky and a MBA from Dartmouth College. He was reappointed by Governor Ron DeSantis for a term beginning December 6, 2022.



Holly K. Melzer has practiced law in Panama City since 2007 and serves as General Counsel for the District Board of Trustees. Mrs. Melzer holds a bachelor's degree and Juris Doctor from the University of Florida. In addition to her role as General Counsel and her private law practice, Mrs. Melzer owns and operates a local title company, 850 Title. Mrs. Melzer also serves on Northwest Florida Beaches International Airport Board of Directors (past chair) and led the Anchorage Children's Home Board of Directors for 13 years. Mrs. Melzer believes in Bay County and champions economic development through her involvement with Bay Economic Development Alliance, Bay County Chamber of Commerce, and Florida State University Project Inspire Advisory Council. She has been awarded the Florida Super Lawyers Magazine Rising Star, Girl Scout Council of the Florida Panhandle Women of Distinction Award, and Anchorage Children's Home Anchor of the Year Award.



Glen McDonald, Gulf Coast Community College Class of 1986, became president of Gulf Coast State College on August 1, 2023. Prior to becoming president, McDonald served as the GCSC Vice President of Strategic Initiatives and Economic Development for six years, overseeing complex projects and initiating internal strategies to improve and grow the College. Preceding his time at Gulf Coast, he held a 25-year career with nationally-recognized Applied Research Associates, Inc. (ARA). He advanced from scientist to Senior VP and supervised contract and revenue management, organizational structure, and growth. McDonald is an advocate for community betterment and volunteers his time and talents with the Bay Defense Alliance (Vice President), the Bay Chamber of Commerce Military Affairs Committee, the Economic Development Alliance, Florida State University Panama City's Dean's Council, the Airport Authority Board (Past Chairman), and Alignment Bay County. He holds a bachelor's degree in biochemistry and a master's degree in business administration from Florida State University.

## STATEMENT OF VALUES, VISION, AND MISSION

### Statement of Values

Holding true to its vision and working continuously on mission, Gulf Coast State College affirms these values as essential to all the College is and does:

- Boldness of vision
- Responsiveness to the community
- Culture of honesty and trust
- Open expression of ideas
- Diversity of thought and culture
- Flexibility and agility
- Ease of access and affordability
- Outstanding teaching and service
- Creativity and innovation
- Purposeful work

### Vision

Gulf Coast State College will deliver life-changing learning opportunities and will join as a full partner in dynamic cultural and economic development of the region.

### Mission

Gulf Coast State College holds students and community of central importance. The College provides many opportunities for learning and offers a range of programs and services to help students become well-educated, productive citizens. The College is equally dedicated to collaborating with the community to help create or improve economic well-being and to offer the space of the College for social dialog, events of art and culture, and other moments that enhance our quality of life.

## COLLEGE HISTORY

Serving the community since 1957, Gulf Coast State College was the first public two-year institution to open after the 1957 Florida Legislature established a statewide network of community colleges. Located in Panama City on Florida's Emerald Coast, Gulf Coast is one of 28 public colleges in the state, all located within commuting distance of 96 percent of the population. Dr. Ted W. Booker was named the first president (1957-1960), followed by Dr. Richard E. Morley (1960-1976), Dr. Lawrence W. Tyree (1976-1988),

Dr. Robert L. McSpadden (1988-2007), Dr. A. James Kerley (2007-2014), Dr. John R. Holdnak (2014-2022), Dr. Cheryl Flax Hyman (2022-2023), and Mr. Glen McDonald (2023-present).

The College has gone through several name changes over the decades beginning with Gulf Coast Community College in 1957. In 1958, the name changed to Gulf Coast Junior College, prompted by a change in mission to restrict offerings to academic programs. In 1970, the College changed its name again back to Gulf Coast Community College as its mission expanded to include service to the community. In 2011, the name changed to Gulf Coast State College after receiving accreditation to award four-year degrees, better reflecting the expanding mission within the defined service district of Bay, Gulf and Franklin counties.

The Panama City Campus opened on September 17, 1957, with 181 students, and through the spring of 1960, the College operated in temporary facilities at the Wainwright Shipyard (located across the street from the present location at 5230 West Highway 98). The City of Panama City provided 40 acres for the permanent campus overlooking St. Andrew Bay and the College purchased the remaining 40 acres. Construction of new buildings on the campus began in 1959 with the actual move to the new campus completed the next year.

To serve the higher education needs of African Americans in the community, Rosenwald Junior College opened in 1958 on the campus of Rosenwald High School, and Calvin Washington was named president. On May 18, 1966, Rosenwald Junior College merged into Gulf Coast Junior College.

Buildings comprising the current campus and other college sites and their dates of first occupancy are:

- **Natural Sciences Building**, including the Ken Sherman Science Center (1960; renovated 1978, 1993, 2003, and 2006; NS-B demolished 2022; newly constructed building 2025)
  - **Administration Building** (1960; renovated 1978, 1989, 2019)
  - **Enrollment Services Building** (originally the Admissions and Records Building; 1960; renovated 1970 and 1995; renovated and renamed in 2010)
  - **James R. Asbell Business Building** (1960; renovated in 1978 and named for Mr. Asbell in 1979)
  - **Russell C. Holley and Herbert P. Holley Language & Literature Building** (1962; former Library; renovated and renamed Language Arts Building in
-

1977; renovated and renamed in 2004; renamed in 2006)

- **Billy Harrison Health Building** (1965; demolished in 2003)
- **Human Resources** (1965; former Maintenance Building; renovated and renamed Wellness Center in 1995; renovated and renamed Professional Development Center in 2003; renamed 2012)
- **Rosenwald Junior College Classroom Building** (1965; originally the Student Center; renovated in 1978 and 1992 and renamed in 1994)
- **Amelia G. Tapper Center for the Arts** (1967; renovated and renamed for Mrs. Tapper in 1994)
- **Social Sciences Building** (1967; renovated in 2001)
- **Technology Building** (1969; renovated in 1985; demolished in 2014)
- **Library** (1976; originally named the Learning Resource Center)
- **WKGC-AM/FM Studios** (1981; renovated in 2005; moved to the Advanced Technology Center in 2016)
- **George G. Tapper Health Sciences Building** (1983; renovated 2009, 2019)
- **North Bay Center** (1990; originally the Criminal Justice Training Academy; renamed the Charles H. Abbott Criminal Justice Training Academy and expanded to include the **Abbott Classroom Building** in 2000)
- **Robert L. McSpadden Student Union, East and West Wings** (1991; west wing expanded to include two additional floors in 2004; renamed for Dr. McSpadden in 2016)
- **Natatorium** (1991)
- **Facilities Management Building** (1995)
- **Gulf/Franklin Center** (1998)
- **Wellness Complex** (2003; includes new gym named Billy Harrison Field House)
- **Workforce Development Building** (2004; formerly the Florida Highway Patrol Building)
- **Public Safety Complex/Emergency Operations Center** (2010)
- **Military Park** (2012)
- **Charles Hilton Center for Advanced Technology and Hospitality Management** (originally the Advanced Technology Center, 2013; renamed 2022)
- **Cameron Floyd Skinner Military and Veterans Resource Center** (dedicated in 2023; formerly the WKGC-AM/FM Studios; renamed 2024)

For its first nine years, the College served primarily the residents of Bay County. In the summer of 1966, Gulf County became part of the College's service district, and Franklin County was added in 1984.

The College's mascot, the Commodore, was chosen in 1966. A contest was held for students to submit their

ideas of what the mascot should be and why. The Commodore, a high-ranking naval officer, was chosen based on three unique factors that included: the College being founded on the grounds of an old shipyard, the generous contributions the Navy Base made to the basketball team and that the Vanderbilt Commodores are geographically located exactly 500 miles away from the College.

Throughout its history, the College has been committed to providing a first-class education. This commitment is evidenced by the excellent performance of GCSC graduates who transfer to state universities as well as by consistently high GPAs and graduation rates that are higher than the Florida college system averages in most areas measured. The College currently serves more than 10,000 credit, non-credit, workforce, and/or continuing education students (enrollment data taken from Summer 2025 – Spring 2026 semesters).

## THE GULF COAST STATE COLLEGE FOUNDATION, INC.

### History

The Gulf Coast State College Foundation, Inc., (formerly Gulf Coast Community College Foundation) was incorporated on October 16, 1967, by the State of Florida as a 501(c)(3) non-profit corporation.

### Vision and Mission

Based on the principles of trust and integrity, the vision of The Gulf Coast State College Foundation is to advance the causes of Gulf Coast State College.

The Gulf Coast State College Foundation's mission is to create a scholarship program providing educational opportunities to deserving students. Further, the mission of the Foundation is to enhance the educational programs and student services available at GCSC. Through the active involvement and leadership of citizens united by these purposes, the Foundation serves as an effective liaison between GCSC and the community. The Foundation assists the College in enriching the community through cultural opportunities and in enhancing economic development of the community with educational programs.

### Scholarships

The Foundation has more than 700 scholarships available to Gulf Coast State College students seeking to offset their educational expenses. The general

application period is open from December 1 to March 15 each year. All students attending or planning to attend Gulf Coast State College are encouraged to apply. This past year, the Foundation provided more than \$ 1 million in scholarship support. Award amounts are determined each year by the Foundation's Board of Directors. For more information, please go to [www.gcscfoundation.org/scholarships/](http://www.gcscfoundation.org/scholarships/).

### High School Honors Scholarships

Sponsored by the Gulf Coast State College Foundation. Preference will be given to students who are currently seniors attending a high school (public, private, charter, virtual or home schooled) in Bay, Gulf or Franklin Counties. Applicants are encouraged to apply to the GCSC Honors Program. For more information, please go to <https://gcscfoundation.org/scholarships/high-school-seniors/>.

### Questions about the GCSC Foundation

The foundation office is located inside the Enrollment Services Building, Suite 129. Office hours are Monday – Friday, 8 am to 4 pm (CST). For more information, please visit our website at [www.gcscfoundation.org](http://www.gcscfoundation.org).

## ALUMNI ASSOCIATION

The mission of the GCSC Alumni Association is to engage alumni, students, supporters, and friends of Gulf Coast State College in programs, events and services that ignite interest, build loyalty, and create support for Gulf Coast State College.

**What are the benefits?** Being a part of the Alumni Association can certainly be rewarding. Not only do you benefit by being kept up to date on all things Gulf Coast, but you also have opportunities involving networking and alumni recognition, attending discounted theatre and athletic events, keeping in touch with classmates, attending special alumni events and receptions, and participating in educational workshops. Alumni Association members also receive special "member" discounts at many local businesses.

**How does the Alumni Association recognize and support alumni and students in our community?** The Alumni Association has established new initiatives to recognize, support, and mentor alumni, students and community members:

- **The GCSC Distinguished and Rising Star Alumni Awards** were established in 2010 to recognize and honor the accomplishments of our outstanding

alumni. Eligible alumni are nominated by community members in one of two categories, including the Distinguished Alumni Award and the Rising Star Alumni Award (for alumni completing their studies at GCSC within the past ten years). Finalists are selected based on their achievements in career, service to our community, and their contributions to the educational experience of GCSC students. Finalists are recognized and award winners are announced each spring. Recipients of this prestigious award are:

### AWARD WINNERS

#### *Distinguished Alumnus of the Year*

2018: Mr. Michael Papajohn  
 2017: Mr. Glen McDonald  
 2016: The Honorable Jimmy Patronis, Jr.  
 2015: Mr. Curtis "CC" Carter, Jr.  
 2014: Ms. Cheri Boyle  
 2013: Mr. Bill Husfelt  
 2012: Ms. Maria Baugh  
 2011: Sheriff Frank McKeithen  
 2010: Dr. Ingrid Johnson Rachesky

#### *Rising Star Alumnus of the Year*

2018: Mr. Timothy Garner  
 2017: Mr. Jarrod Wester  
 2016: Ms. Karen Williams  
 2015: Ms. Sarah S. DuBose  
 2014: Dr. Umar Karaman  
 2013: Ms. Morgan Burleson  
 2012: Ms. Sarah Kemper  
 2011: Ms. Tamika Williams

- **The GCSC Alumni Legacy Scholarship** was initiated in 2010 to support a deserving student in receiving an excellent education experience at GCSC. The Alumni Association is proud to report that this scholarship was completed and endowed with the Foundation in July 2013. The Alumni Legacy Scholarship is open to all "Legacy" students whose parent(s) have obtained a degree from Gulf Coast. Applicants must have a cumulative GPA of 2.5 or higher and demonstrate merit and financial need. Priority consideration is given to applicants whose parent or parents are current members of the Association and who reside in Bay, Gulf, or Franklin County.
- **The Alumni Association ATC Community Meeting Room Sponsorship** was initiated in 2012 and completed in 2014. The Advanced Technology Center (ATC), home to the Business & Technology Division, offers students new skills and training through innovative programs such as Digital

Media, Engineering Technology, and Cybersecurity.

- **The Alumni Association’s Career Workshops** were initiated in 2009 and participants learn tips and techniques for improving their resumes, interview skills, social networking skills, and how to dress for success. Workshops conclude with a professional panel of Alumni Advisory Council members and community leaders answering individual questions and offering professional advice to help each participant with their specific job search needs.

**Who can join?** The Alumni Association’s “Alumni” membership is open to all Gulf Coast State College alumni. A GCSC alumnus is defined as anyone who has earned a degree and/or completed a certificate program from Gulf Coast State College. Additionally, the Alumni Association offers a “Friend” membership for friends and patrons who support the mission and initiatives of the association but are not GCSC alumni.

**Alumni Membership**

- Lifetime Alumni Membership: \$500
- 10-Year Alumni Membership: \$250
- Annual Family Alumni Membership: \$25 (includes spouse and minor children living in your household)
- Annual Individual Alumni Membership: \$15

**Friend Membership**

- Lifetime Friend Membership: \$500
- 10-Year Friend Membership: \$250
- Annual Family Friend Membership: \$25 (includes spouse)
- Annual Individual Friend Membership: \$15

**Join Today!** Join the Alumni Association and become an active member by participating in alumni events and activities throughout the year. Contact the Office of Alumni Affairs by phone: (850) 769-1551, ext. 6010.

**ADMISSIONS**

**Students should know Gulf Coast State College is a tobacco-free/smoke-free campus.**

Students can apply online by visiting <https://www.gulfcoast.edu> and clicking on "Apply." The following chart summarizes the supported documents required for the various student categories.

Student Category	Application Form	H.S. Transcript or equivalent	College Transcript(s)	GCSC Placement Test	TDFL Score	Letter from high school official	Home-School Affidavit	Test of Adult Basic Ed (TABE)
A.A. Degree Seeking	✓	✓	✓	3				
B.A.S., B.S.N., A.S., or Certificate	✓	✓	✓	3				
Career Certificate	✓	✓	✓	1				✓
Health Science Students	✓	✓	✓	4				
Non-Degree Seeking Students	✓		1	3				
Dual Enrolled Students	5			3	✓			
Early Enrolled Students	✓	✓		3	✓			
Home School Graduates	✓	✓	✓	3			✓	
Audit Students	✓		1	3				
International Students	✓	✓	2	3	✓			

- 1 = See Office of Enrollment Services for exceptions.
- 2 = Required from each college or university attended.
- 3 = Required of all students planning to pursue a degree or take English or math courses. (Transfer students who have completed a college-level English and math courses are excluded as are any students who have flexible placement.)
- 4 = Placement test scores used for acceptance into program.
- 5 = See Jennifer Kolmetz or call (850) 769 1551, ext. 3207.

All transcripts must be sent directly from the high school or college to the Office of Enrollment Services. Copies will not be recognized as official. It is the responsibility of the student to contact their high school/college to request official transcripts to be sent to us.

**The College offers credit and non-credit courses. Any high school graduate or adult who can benefit from additional educational experiences may be admitted to Gulf Coast State College provided she/he meets the requirements for enrollment in the particular program and for continued attendance as set forth in this catalog.**

**ADMISSION FOR COLLEGE CREDIT**

Credit courses are designed to apply toward a degree. Students who are seeking a degree must complete an application for admissions, request official high school, GED, and all previous college transcript(s), and take the placement test if necessary (see Traditional Placement and Flexible Placement opportunities). ACT and SAT scores may also be used for placement purposes provided the scores are two years old or less. Students are required to have their official test scores sent to the Testing Center on the main campus. First time students are required to meet with an academic advisor located on the 2<sup>nd</sup> floor of Student Union East prior to registering for classes.

### First Time in College Student

First Time in College Students must attend a mandatory orientation. Onboarding Online is available for students who cannot attend the On-Site Onboarding (orientation session). Orientation is the opportunity for students to become acclimated to attending college. This includes Gulf Coast policies and procedures as well as resource information that will aid students in making informed decisions.

Students who meet one of the following requirements may enroll in Associate in Arts degree, Associate in Science degree, or certificate programs:

- Students who graduated with a Standard High School Diploma or an equivalency diploma (GED) or the CPT eligible certificate
- Students who are home educated, with a signed affidavit submitted by the student's parent or legal guardian attesting that the student has completed a home education program pursuant to the requirements of Florida Statute 1002.41
- Students are provisionally admitted on the basis of their application. Confirmation of high school graduation must be officially verified within the student's first term of enrollment

### ADMISSION FOR NON-CREDIT

Non-credit courses are designed to meet the needs of citizens in the community and students who are not seeking a degree or a certificate. Enrollment in non-credit Continuing Education courses is restricted to those 18 years of age and older. Students are required to complete a non-credit registration form and register for courses. For more information, please contact the Continuing Education office at (850) 872-3823.

### GENERAL ADMISSION PROCEDURES

#### (Degree Seeking and Transfer Students)

Admission to the A.A., A.S., or Certificate Programs

Students applying for admission for the first time or transferring in must complete the following steps:

1. Submit an application for admission to the Office of Enrollment Services. Applications are available on-line at <https://www.gulfcoast.edu>. There may be a \$10 non-refundable application fee
2. Submit an official high school and all college transcript(s) to the Office of Enrollment Services

- High school seniors must request their transcript with the official graduation date posted
  - GED recipients must request a copy of their GED test scores
  - Transfer students must request official transcripts from all colleges and or/universities attended
3. Take the appropriate placement tests, if applicable. These tests are used for placement purposes only and are not to be used as instruments for selective admission

Incomplete information may cause a delay in admission to the College. Any student who fails to complete the admission process may not be permitted to register until all procedures are fully met. Official high school transcript, official GED scores, and college transcript from each institution attended must be submitted to the Office of Enrollment Services. An official transcript is sent from the high school and (if applicable) college directly to Gulf Coast State College. Hand carried transcripts are not official. All transcripts become part of the student's permanent record and may not be returned.

### Readmission

Students who have not been enrolled at GCSC within the last 12 months must reapply to the college as a returning student. There is no application fee for returning students. Please have any official transcripts from all colleges/universities attended since the last term of enrollment sent to GCSC. The student will complete requirements for graduation under the catalog in force at the time of re-entry.

### Admission of Non-High School Graduates

Individuals under the age of 18 without a standard high school diploma, GED, certificate of completion—CPT eligible or home school affidavit cannot be admitted. The exception is for students enrolled in one of the dual enrollment categories.

Individuals 18 years of age or older can enroll in advanced and professional, postsecondary vocational, and/or postsecondary adult vocational courses as non-degree seeking students (special students). Students cannot enroll in programs until they receive a high school diploma or GED. Students are encouraged to obtain a high school diploma or GED.

All non-high school graduates 18 years or older may enroll in certain career certificate programs with permission of the career certificate program manager. Non-high school graduates may also enroll in

designated non-credit courses. **The non-graduate must earn the diploma by the end of the first term of enrollment.**

### Special Student Admission

The Special Student admissions classification is designed for those students enrolling in credit classes without the high school diploma or its equivalent. The Special Student must be at least 18 years of age and not currently enrolled in a high school program. The Special Student is permitted to accumulate 15 credit hours in this status. The non-graduated Special Student will be encouraged to earn the GED diploma during the first term of enrollment in credit courses. After earning the GED diploma, the Special Student may request to change to degree-seeking status or continue as a non-degree seeking student.

### Limited-Access Program Admission

In order to meet certification and professional accreditation standards, certain GCSC programs carry additional admission and graduation requirements. Please see specific limited access program in the catalog for additional admission requirements or you can contact the appropriate department for details.

### Transfer Student Admission

A student who has attended another college or university is considered a transfer student. Transcripts from high school and all institutions of higher education previously attended for students enrolled in Associate in Arts degrees, Associates in Science degrees, Bachelor degrees, and certificate programs are required. Official transcripts from all previously attended schools are to be sent directly to the Office of Enrollment Services. Hand carried transcripts or transcripts marked "issued to student" will not be accepted. Freshman and sophomore credits will be accepted if earned at colleges or universities accredited by organizations that are or have been recognized by the U.S. Department of Education (USDE), provided the courses meet academic standards and are relevant to the College's instructional program. Transfer courses from institutions with recognized accreditation will be evaluated and placed on the student's GCSC transcript.

Students enrolled in career certificate programs are required to request transcripts from high school and institutions of higher education. Students enrolled in career certificate programs who request a transfer course be accepted are required to submit official transcripts from all previously attended schools. Credit from vocational and occupational institutions will be

awarded provided the credits meet academic standards and are relevant to the College's instructional program.

Credit is allowed for Associate in Science degrees or certificate programs by means of occupational-technical articulation agreements as outlined in the Florida Department of Education Statewide Articulation Agreements. Students are required to submit official transcripts of occupational-technical course work for consideration. Upon receipt of official copies of occupational-technical course work, an evaluation package is prepared for the chairperson of the discipline for final approval. Occupational-technical coursework is reviewed by the relevant department chairperson for equivalency and must meet the admissions requirements as well as satisfy the required validation mechanisms as outlined in the specific program's articulation agreement as stated by the Florida Department of Education. Appropriate documentation supporting evidence of credit must be submitted to Enrollment Services for processing. Specific credit is awarded to students meeting all of the above stated requirements as recommended by the Florida Department of Education.

Credits with "P" or "S" grades from regionally accredited institutions are considered transferable. No credit is awarded for remedial courses taken outside the state of Florida.

To maintain degree-seeking status, students are required to have transcripts evaluated no later than the end of the first academic term of enrollment. A student will be placed on registration restriction if transcripts are not received within thirty days from the beginning of the term. A transcript evaluation will be performed for degree-seeking students once **all** transcripts have been received by the Office of Enrollment Services. The evaluation process is normally completed within 2-3 weeks of the final transcript receipt. Transcripts received via FASTER (Florida Automated System for Transferring Educational Records) are evaluated within two business days. Upon completion, students will be notified by e-mail and can view their evaluated transcript at <https://www.gulfcoast.edu> and logging in through myGCSC to view their unofficial academic transcript.

All transfer students are required to satisfy the Gulf Coast residency graduation requirement by completing 25 percent of the degree program at GCSC.

The Office of Enrollment Services has the institutional authority to administer the College's transfer policy. Actions taken by the Office of Enrollment Services are subject to review by the vice president of academic affairs.

**Transfer of Massive Open Online Courses**

Gulf Coast State College recognizes the value of Massive Open Online Courses (MOOC). However, MOOCs are not automatically transferable. Credit for MOOCs may be awarded on an individual basis provided the credits meet academic standards and are relevant to the College's instructional program. Students must submit course syllabi and faculty credentials for evaluation to division chairs for courses under consideration for transfer credit. Students who wish to pursue the acceptance of MOOCs should consult with the Office of Enrollment Services with any questions regarding the procedures for seeking transferability of courses.

**Transfer from a Non-Accredited Institution**

Students who attended non-accredited institutions will be notified by mail. Credit from non-regionally accredited institutions may be awarded on an individual basis provided the credits meet academic standards and are relevant to the College's instructional program. Students must submit course syllabi and faculty credentials for evaluation to division chairs for courses under consideration for transfer credit. Submission of documentation does not imply credit acceptance. The documentation provides GCSC with the information necessary to determine whether the courses taken will meet the criteria for acceptance. Students may be asked to provide further information in order to make an educated decision within the parameters established by our accrediting agency. Students who wish to pursue the acceptance of transfer credit from a non-accredited institution should consult with the Office of Enrollment Services with any questions regarding the procedures for seeking transferability of courses.

**Transferring to GCSC with a Bachelor's Degree**

Students transferring to GCSC with a Bachelor's degree or higher who wish to pursue an Associate in Science degree or certificate must verify previous degrees by submitting high school and all college official transcripts. Once all documents have been received, an evaluation package from the Office of Enrollment Services will be forwarded to the relevant academic division for a program evaluation.

The program manager will determine if there is any prior credit applicable to the student's current degree program. Only courses with a grade of "C" or better will be accepted.

The student's cumulative grade point average for the degree will include only those courses completed at GCSC.

**Evaluating the Validity of High School Diplomas**

Gulf Coast State College will verify the validity of a high school diploma if we believe that the diploma is not valid or was not obtained from an entity that provides secondary school education.

Gulf Coast State College will review the information gathered and will render a decision to accept or deny the high school diploma. The student will be notified in writing of the decision.

**Non-Degree Students**

Applicants who do not wish to earn a degree or certificate from Gulf Coast State College and wish to take college or career and technical or vocational credit courses may not need to provide evidence of prior educational coursework. However, students seeking enrollment in courses with prerequisites or other admissions requirements, or students seeking financial assistance may be required to provide evidence of all prior educational course work. Many students attend college to upgrade employment skills, for transfer credit, or for personal interest and enjoyment. Non-degree applicants only need to provide a completed Application for Admissions. Students will not be permitted to enroll in any college credit English, humanities, or mathematics course – or any course having an English, mathematics or reading prerequisite– without meeting the State of Florida mandated minimum scores on an approved placement test or by producing evidence that they have met the prerequisite. Upon changing to degree-seeking status at Gulf Coast State College, high school/college transcripts, as appropriate, will be required.

**Dual Enrollment Admission (High School)**

Dual enrollment is authorized under Florida Statute 1007.271 as an articulated accelerated mechanism. It is intended to shorten the time necessary for students to complete the requirements associated with the conference of a degree, broaden the scope of curricular options available to students, and increase the depth of study available for a particular subject.

Dual enrollment provides the opportunity for qualified high school students to enroll in college-level work at Gulf Coast State College while concurrently enrolled in high school. Students receive both high school and

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college credit for these courses. This program is open to students from public high schools, accredited private schools, or approved home education programs. Students must have an unweighted GPA of 3.0 and demonstrate readiness for college coursework through scores on the college placement test to participate in college credit dual enrollment. Participation in vocational dual enrollment requires a 2.0 unweighted GPA.

A student may take dual enrollment courses during school hours, after school hours, and during the summer term. Students in dual enrollment classes do not pay registration, matriculation, or lab fees. For additional information, please call (850) 747-3207. Dual enrolled students wishing to continue their education at GCSC must apply as a new student, register, and pay fees as a regular student.

### Early-Out Student Admission

Students designated as early-out graduates (meet all high school graduation requirements early) can register at GCSC as a non-degree seeking student. Early-out students are required to meet all GCSC admissions requirements and upon admission must provide a letter from their high school counselor stating the student has met all graduation requirements and giving permission to register early. Early-out students are required to pay their own fees. The official high school transcript is required when the standard high school diploma is posted.

### Transient Student Admission

Students pursuing degrees at other colleges or universities may be admitted as transient students to take courses back to their home institutions. A transient student form from the home institution or some other written authorization is required indicating the specific course(s) to be taken and the parent institution's willingness to accept the credits earned. The transient form or written authorization is required prior to registration. Transient students are considered non-degree seeking students; therefore, official transcripts are not required. The transient student form creates the application if done through the Florida Shines website ([www.floridashines.org](http://www.floridashines.org)) for students coming from Florida public colleges and universities. Transients from out-of-state and private institutions should provide a transient letter/form as well as file a

transient application for admission to GCSC along with any applicable application fee.

### International Student Admission

Students requiring the F-1 Student Visa, including those who are transferring their F-1 Student Visa from another U.S. institution, must meet the following admission requirements. You can find the required forms at <https://www.gulfcoast.edu/admissions/international-students/index.html>.

\*\*(This information is for F-1 International Students only. If you are a **Permanent Resident Alien**, please follow the standard application process.)

- **International Student Admission Application:** An admissions application, including a \$40 non-refundable application fee, and all required documents must be received before an I-20 can be issued. Your permanent foreign address is required. Students must have completed secondary school (high school).
- **TOEFL-Test of English as a Foreign Language:** Students from non-English speaking countries are required to submit an official TOEFL (Test of English as a Foreign Language) score report with achieved **minimum** total scores as listed below. Visit [www.ets.org](http://www.ets.org) for testing details.
  - 79 on the Internet-based test
  - 213 on the Computer-based test
  - 550 on the paper-based test
- **Financial Statement of Responsibility:** Students must be able to bear the cost of study and living expenses. A Statement of Financial Responsibility must be completed and notarized. An official bank statement with funds available to you in excess of \$23,122 (US currency) must be attached to the Statement of Financial Responsibility. Students should know that \$23,122 is needed each year to cover living expenses, tuition and fees. The College assumes no responsibility for financial assistance.
- **Foreign Transcripts:** Transcripts from foreign institutions must be evaluated through any current NACES member ([naces.org/members](http://naces.org/members)). It is the responsibility of the student to bear all associated costs and fees. Gulf Coast State College (GCSC) will determine transferable credits. If the academic institution you attended does not issue documents in English, you must submit precise word for word translations of all your credentials. To have your documents translated, you may contact [naces.org/members](http://naces.org/members).

- **High school graduates only:** Please submit your original high school transcript for evaluation through any current NACES member ([naces.org/members](https://naces.org/members)).
- **University students:** Please submit university original transcripts for evaluation through any current NACES member ([naces.org/members](https://naces.org/members)). High school documents are also required. Acceptance of transfer courses is subject to approval by GCSC.
- **Housing:** On campus housing is not available at GCSC; international students are responsible for making their own housing arrangements.
- **Health Insurance:** Students must submit proof of health insurance coverage valid in the United States. Insurance must be maintained while attending GCSC.

Upon the completion of all admissions requirements, a Certificate of Eligibility (form I-20) will be issued to the student. The student is responsible for any costs associated with express mailing. More information on this can be found here:

<https://www.gulfcoast.edu/admissions/international-students/i20-mailing-options.html>.

An International student must register as a full-time student taking a minimum of 12 credit hours during the fall and spring semesters and remain a full-time student in good standing in order to maintain status.

Please note: Off-campus employment **is not** permitted **unless** first approved by USCIS. Please see the International Student Representative for approval and procedures for on-campus employment.

For additional assistance, please call (850) 769-1551, ext. 2864, or visit our website at <https://www.gulfcoast.edu/admissions/international-students/>.

### Denial of Admission

In accordance with Florida Statute 1001.64(8) (a), Gulf Coast State College may consider the past actions of any person applying for admission or enrollment and may deny admission or enrollment to an applicant because of misconduct, if determined to be in the best interest of the College. Denial of admission, re-enrollment, or a conditional status may be imposed on anyone determined to be disruptive of college programs, interfering with the rights and privileges of other students or employees or a safety risk to Gulf Coast State College students, employees and property. Applicants/students have the right to appeal any

decision to the Appeals Committee within seven calendar days of the date of notice.

### Audit Student

Students who plan to take a course as audit must meet GCSC admission and course placement requirements. Audit students must declare the audit status prior to the end of the published add/drop period by completing an "audit request" form at any Office of Enrollment Services. Audit students are assessed all applicable fees.

### Florida Residency for Tuition Purposes

Section 1009.21, Florida Statutes (F.S.), allows a U.S. citizen, lawful permanent resident or alien lawfully in the United States who is in an eligible visa category to be classified as a Florida resident for tuition purposes if the applicant or the dependent applicant's parent/legal guardian has established legal residence in the state for at least 12 consecutive months immediately prior to the first day of classes of the term for which Florida residency is sought.

Pursuant to Rule 6A-10.044(1), students applying on or after December 21, 2025, for the Fall 2026 semester and subsequent terms must provide documentation demonstrating United States citizenship or lawful presence in the United States for the purpose of determining residency status for tuition purposes.

Acceptable documentation to establish United States citizenship includes (Federal Student Aid Handbook, Chapter 2):

1. Birth certificate
2. U.S. passport
3. U.S. passport card
4. Certificate of Naturalization (Forms N-550 or N-570)
5. Certificate of Citizenship (Forms N-560 or N-561)
6. Form FS-240 (Consular Report of Birth Abroad), FS-545 (Certificate of Birth Issued by a Foreign Service Post), or DS-1350 (Certification of Report of Birth)

Students who are not United States citizens or lawful permanent residents are required to submit immigration documentation verifying lawful presence.

The determination of dependent or independent status is important because it is the basis for whether the student has to submit his/her own documentation of residency (as an independent) or his/her parent's or legal guardian's documentation of residency (as a dependent).

## Definitions

1. **Dependent student:** Any person, whether or not living with his/her parent, who is eligible to be claimed by his/her parent as a dependent under the federal income tax code, or who is not deemed independent for federal financial aid purposes is considered a dependent student
2. **Independent student:** a student who meets any one of the following criteria:
  - a. Is married
  - b. Is 24 years of age or older by the first day of classes of the term for which residency status is sought at a Florida institution
  - c. Has children who receive more than half of their support from the student
  - d. Has other dependents that live with and receive more than half of their support from the student
  - e. Is a veteran of the U.S. Armed Forces or is currently serving on active duty in the U.S. Armed Forces for purposes other than training
  - f. Has no living parent or the student is or was (until age 18) one of the following: (a) a ward/dependent of the court or (b) in foster care
  - g. Is determined an unaccompanied homeless student by a school district homeless liaison, emergency shelter or transitional housing program
3. **Independent student (under 24):** A student who is under the age of 24 and wishes to be considered independent must, for the term residency is sought; provide additional written or electronic verification of possession beyond the standard Required and Supplemental documents. The following are examples of documents that must be provided:
  - a. Marriage certificate, insurance information showing marital status or most recent tax return showing marital status
  - b. Tax returns showing support of children or other dependents that live with and receive more than half of their support from the student
  - c. Military discharge documents
  - d. Legal documents showing the student is a ward/dependent of the courts
  - e. Documentation showing that the student provides more than 50 percent of his/her support for the year (Examples of acceptable documentation may include a copy of most recent tax return showing a minimum of \$6,500 annual income [amount subject to change based on federal regulations], W-2 form, pay stubs or employer earnings verification.)
4. **Initial enrollment:** Qualifies as the first day of class of the student's first term at an institution of higher education
5. **Legal resident or resident:** Is a person who has maintained his/her residence in Florida for the preceding 12 months, has purchased a home which is occupied by him/her as his/her residence, or has established a domicile in Florida pursuant to s. 222.17, F.S
6. **Non-resident for tuition purposes:** Is a person who does not qualify for the in-state tuition rate
7. **Parent:** Either or both parents of a student, any guardian of a student, stepparent, or any person in a parental relationship to the student
8. **Resident for tuition purposes:** Is a person who qualifies as a resident as defined in this section for the in-state tuition rate

### Required Documentary Evidence

If an applicant (student) qualifies for a residency exception or qualification, then appropriate documentation must be submitted as evidence of entitlement to that exception or qualification. Such evidence is generally specific to the type of residency exception or qualification being claimed by the student.

If an applicant (student) does not qualify for a residency exception or qualification, he/she will have to submit documentation that he/she (or a parent or legal guardian, if a dependent) has been a Florida resident for at least 12 consecutive months prior to the first day of classes for which the student is enrolling. At least two of the following documents must be submitted, unless the documentation provided is proof of homestead exemption, with dates that evidence the 12 consecutive month qualifying period. At least one of the documents must be from the Required list. As some evidence is more persuasive than others, more than two may be requested. No single piece of documentation will be considered conclusive.

Students shall have established and maintained residency for a minimum of twelve (12) consecutive months immediately preceding the first day of classes. Documentary evidence supporting the establishment of legal residence, both initial and reclassification, must be submitted no later than the last day of drop/add of the term for which residency is sought.

An applicant (student) must certify that he/she has read the Residency Declaration and affirms that the facts stated therein are true and that all information provided in support of residency classification is authentic and accurate. Any false or misleading information submitted on the Residency Declaration, or

provided in support thereof, may subject the student to penalties pursuant to section 837.06, Florida Statutes, for making a false statement. By submitting the Residency Declaration, the student grants permission for the institution to review or examine any and all documents and records, including those accessible electronically, that may assist in support of the student's claim of Florida residency for tuition purposes.

The burden of providing clear and convincing documentation to justify the institution's classification of a student's residency status for tuition purposes rests with the student or, if the student is a dependent, with the student's parent or legal guardian. For documentation to be considered clear and convincing, it must be credible, precise, and compelling enough to persuade the institution that the student, or the student's parent or legal guardian if applicable, has established legal residency in Florida.

**Required** (*at least one of the two documents submitted must be from this list*):

- A Florida driver license OR A State of Florida identification card
- A Florida voter registration card
- A Florida vehicle registration
- Proof of permanent home in Florida that is occupied as a primary residence by the individual or by the individual's parent if the individual is a dependent child
- Proof of homestead exemption in Florida
- Transcripts from a Florida high school for multiple years (two or more years) if the Florida high school diploma or GED was earned within the last 12 months
- Proof of permanent full-time employment in Florida for at least 30 hours per week for a consecutive 12-month period

**Supplemental** (*may be used in conjunction with documentation from the Required list*):

- A declaration of domicile in Florida
- A Florida professional or occupational license
- Florida incorporation
- Family Ties Affidavit Proof of membership in a Florida-based charitable or professional organization
- Any other documentation that supports the student's request for resident status, including, but not limited to, utility bills and proof of 12 consecutive months of payments; a lease agreement and proof of 12 consecutive months of payments; or an official state, federal or court

document evidencing legal ties to Florida showing 12 months of Florida residency

#### **Statutory Exceptions and Qualifications**

Section 1009.21, Florida Statutes (F.S.), permits certain applicants who do not meet residency requirements to be classified as Florida residents for tuition purposes.

- If a dependent person who has been residing continuously with a legal resident adult relative other than the parent for at least three years immediately before the first day of classes of the term for which Florida residency is sought, the dependent child may provide documentation from the adult relative or from the parent. Both the dependent child and the adult relative or the parent must meet the consecutive 12-month legal residence requirement [s.1009.21(2) (b), F.S.].

A dependent child who is a United States citizen may not be denied classification as a resident for tuition purposes based solely upon the immigration status of his/her parents. The claimant must provide documentation that he or she has resided in the state at least 12 consecutive months immediately before the child's initial enrollment.

Based on section 1009.21, F.S., the College requires documentation in support of the following exceptions; however, the student does not have to show 12 months of residence in Florida prior to qualifying. These exceptions and qualifications categories are as follows:

- Persons who are married to a person who has maintained legal residence in Florida for at least the past 12 consecutive months and, now, have established legal residence and intend to make Florida their permanent home. (Required: Marriage certificate and two residency documents from the spouse showing at least 12 consecutive months of recent Florida residency)
- Qualified beneficiaries under the Stanley G. Tate Florida Prepaid College Program [s.1009.98, F.S.] (Required: copy of Florida Prepaid Program ID card)
- Persons who were previously enrolled at a Florida state postsecondary institution and classified as a Florida resident for tuition purposes, but who abandoned Florida domicile less than 12 months ago and are now re-establishing Florida legal residence (Required: Official transcript from the prior Florida state postsecondary institution confirming Florida residency classification within the past 12 months)
- Persons who were previously enrolled at a Florida state postsecondary institution and classified as a

- Florida resident for tuition purposes, and are transferring to another Florida state postsecondary institute within 12 months of the previous enrollment (Required: Official transcript from the prior Florida state postsecondary institution confirming Florida residency classification within the past 12 months)
- Active-duty members of the Armed Services of the United States, their spouses, and their dependent children residing or stationed in this state at the time of acceptance to a Florida College System institution or state university, and active drilling members of the Florida National Guard (Required: Copy of active-duty military orders. Spouse and dependent names must be listed on the orders; if not listed, a marriage certificate and/or birth certificate is required to verify the relationship)
  - Active-duty members of the Armed Services of the United States and their spouses and dependents attending a Florida College System institution or state university within 50 miles of the military establishment where they are stationed at the time of acceptance to the Florida College System institution or state university, if such military establishment is within a county contiguous to Florida (Required: Copy of active-duty military orders. Spouse and dependent names must be listed on the orders; if not listed, a marriage certificate and/or birth certificate is required to verify the relationship) United States citizens who are living on the Isthmus of Panama, who have completed 12 consecutive months of college work at the Florida State University Panama Canal Branch, and their spouses and dependent children [s. 1009.21(10)(c), F.S.] (Required: Official transcripts verifying completion of 12 consecutive months of coursework at the Florida State University Panama Canal Branch)
  - Full-time instructional and administrative personnel employed by the State public school system and institutions of higher education as defined in s. 1009.21(c) and their spouses or dependent children [s. 1009.21(10)(d), F.S.] (Required: Employment verification letter from a supervisor or HR on official school or institution letterhead confirming current full-time employment status)
  - Students from Latin American and the Caribbean who receive scholarships from the federal or state government. The student must attend, on a full-time basis, a Florida institution of higher education [s. 1009.21(10) (e), F.S.] (Required: copy of scholarship papers)
  - Southern Regional Education Board's Academic Common Market graduate students attending Florida's state universities
  - Full-time employees of state agencies or political subdivisions of the state when the student fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training [s.1009.21 (10)(g) (Required: Letter from the state agency or political subdivision confirming current full-time employment and verifying that tuition and fees are being paid by the agency for job-related law enforcement or corrections training)
  - McKnight Doctoral Fellows and Finalists who are United States citizens
  - United States citizens living outside the United States who are teaching at a Department of Defense Dependent School or in an American International School and who enroll in a graduate level education program which leads to a Florida teaching certificate
  - Active-duty members of the Canadian military residing or stationed in Florida under the North American Air Defense (NORAD) Agreement, and their spouses and dependent children, attending a public community college or state university within 50 miles of the military establishment where they are stationed [s. 1009.21(10)(j)]
  - Active-duty members of a foreign nation's military who are serving as liaison officers and are residing or stationed in Florida, and their spouses and children, attending a Florida College System institution or state university within 50 miles of the military establishment where the foreign liaison officer is stationed [s. 1009.21(10), F.S.]
- In addition to the Florida Statute exceptions, Florida Administrative Code Rule 6A-10.044(1)(a) provides classification as a Florida resident for tuition purposes for a dependent student who attended a Florida high school for a minimum of two (2) academic years immediately preceding his or her initial enrollment at GCSC and who graduated from a Florida high school or earned a Florida GED® within the last twelve (12) months. For this exception, the student's high school transcript or their GED® transcript is one evidence of Florida residency, and at least one (1) additional document identified in F.S. Sect.1009.21(3)(c)1. or 1009.21(3)(c)2., F.S., must be presented evidencing parental legal residence.
- Residency Reclassification**
- An individual who is classified as out-of-state and wants to request "reclassification" to in-state status must complete a [Request for Residency Reclassification form](#) The completed Request for Residency Reclassification form and supporting documentation must be submitted to Enrollment Services for consideration no

later than the last day of drop/add of the term for which reclassification is sought.

The evidentiary requirement for reclassification goes beyond that for an initial classification, because the student has previously been determined to be an out-of-state resident. A student who is initially classified as a nonresident for tuition purposes may become eligible for reclassification as a resident for tuition purposes only if the student or his/her parent if the student is a dependent, present clear and convincing documentation that supports permanent legal residency in Florida for 12 consecutive months. A student, or his/her parent if the student is a dependent, may become eligible for reclassification by presenting a minimum of two documents as listed in the Required Documentary Evidence section. One of the two documents must come from the Required list.

The burden of providing clear and convincing documentation justifying reclassification of a student as a resident for tuition purposes rests with the student, or if the student is a dependent, his/her parent. For documentation to be "clear and convincing," it must be credible, trustworthy and sufficient to persuade Enrollment Services staff that the student or, if the student is a dependent, his/her parent has established legal residency in Florida that is not solely for the purpose of pursuing an education and has relinquished residency in any other state for a minimum of 12 consecutive months prior to classification.

### **Residency Appeals**

A student who is denied Florida residency for tuition purposes on request for residency reclassification may appeal the decision through a written petition to the Residency Appeal Committee in the Office of Enrollment Services. The burden of providing clear and convincing documentation justifying reclassification of a student as a resident for tuition purposes rests with the student or, if the student is a dependent, his/her parent.

The Residency Appeal Committee must render to the student the final residency determination in writing, advising the student of the reasons for the determination. The decision of the Residency Appeal Committee will constitute final action.

## **INSTRUCTIONAL DELIVERY METHODS**

Gulf Coast addresses individual student needs by providing online learning and evening classes for additional scheduling opportunities. Look for the

following instructional delivery methods when planning your course schedule:

### **Classroom**

Courses are taught face-to-face and less than 30% of the instruction is delivered using technology. There is a requirement for students to attend regularly in a physical location. Courses may have a technology component, such as for syllabi, lecture notes, and other materials that supplement face-to-face instruction.

### **Hybrid**

For this delivery method, 30-79% of the instruction is delivered using technology, where the student and professor are separated by time, space, or both. There is a requirement for students in a hybrid course to attend some courses in a physical location.

### **Online/Distance Learning**

Instruction is primarily delivered online (80-100%), allowing students and instructors to interact without meeting in a physical classroom. While online courses do not require in-person class attendance, they may include proctored exams or require participation in orientation, testing, academic support services, or hands-on learning experiences such as clinicals or practicums.

Programming methods include:

**Asynchronous.** Instructors prepare course materials for students in advance of students' access. Students are not required to access the course materials on a specific day and time.

**Synchronous.** Instructors and students gather at the same time and interact in real-time with one another on a specific day and time.

**Combination.** Combination of both synchronous and asynchronous components.

Distance education is defined as education that uses technology to deliver instruction to students who are separated from the instructor(s) and to support regular and substantive interaction between the students and the instructor(s), either synchronously or asynchronously.

### **Military Services Program**

Gulf Coast offers on-site classes at Tyndall Air Force Base. These classes are also open to the civilian population. Civilian students must contact GCSC Tyndall

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office at (850) 283-2323 to secure access to the military base prior to registration.

Aside from stated and traditional means of obtaining credit, special policies, procedures and services are available to active-duty personnel.

The College follows the recommendations of the American Council on Education concerning credit awarded for the successful completion of military service schools and training programs. Division chairs determine whether or not military credits apply to specific programs. Official copies of appropriate military transcripts and/or documentation are required to award applicable credit.

- Credit must be applicable to the student's current degree program
- Gulf Coast must offer a course comparable in content and credit value

It should be noted that most credits apply to the Associate in Science degree programs. For additional information visit <https://www.gulfcoast.edu/about-gcsc/campus-locations/tyndall-afb/index.html>.

### Sites

In addition to course and program offerings at the main campus of Gulf Coast State College in Panama City, the College maintains additional sites at Tyndall Air Force Base Education Center, the North Bay Center, including the Charles H. Abbott Criminal Justice Training Academy, and the Gulf/Franklin Center in Port St. Joe. Information on course offerings at these sites can be obtained from the schedule of classes for each term and through brochures and press releases.

### Cooperative Education

Cooperative Education (Co-op) is an elective course in which the student can earn from one (1) to up to six (6) hours of elective academic credit for supervised, practical work experience that seeks to combine theories and practices in the students' major field of study. The student must be employed, interning, or volunteering in an appropriate business, industry, governmental agency, or educational institution during the Co-op semester in which the student is enrolled.

Co-op classes have two main parts: (1) practical job/work experiences, and (2) online reflective assignments utilizing Canvas (the learning management system) at Gulf Coast State College. The student and their employer/supervisor must agree to and complete a Learning Agreement at the beginning of the semester

and identify 2-4 learning objectives that the student should meet or progress towards during their Co-op work experience. Co-op classes may be taken toward the completion of most of the Associate in Arts and Associate in Science degree programs and can be used as electives in some cases. Students wishing to register in a co-op class must first contact the respective division chair.

## BACCALAUREATE PROGRAMS

GCSC offers two types of baccalaureate (4 year) degrees, the Bachelor of Applied Sciences (B.A.S.) and the Bachelors of Science in Nursing (B.S.N.).

### Admission Requirements for the B.A.S. Programs

The following summarizes the requirements to be admitted into a B.A.S. program:

- Completion of admission application to Gulf Coast State College
- Submission of official transcripts from high school(s) (or GED)
- Submission of official transcripts from college(s) currently or previously attended
- Completion of all college preparatory coursework
- Cumulative grade point average of 2.00 on a 4.00 scale in all postsecondary coursework
- Official transcripts showing one of the following:
  - Completion of an A.S. degree of sixty (60) credits from a regionally accredited institution in a business or technology related discipline, **OR**
  - Completion of an A.A. degree of sixty (60) credits from a regionally accredited institution
- Completion of separate entrance form for the specific program (form can be found on the Business and Technology division website)

### Admission Requirements for the B.S.N. (Bachelors of Science Nursing) Degree

The Bachelor of Science in Nursing (RN-BSN) is designed to prepare licensed nurses for evidence-based practice and leadership in an ever-changing health care environment. BSN Graduates will also have the opportunity to continue their education in a variety of specialty areas.

Application requirements for the BSN are as follows: (The items below are listed only as a general guide.

Students should obtain a current application packet for the complete listing of entry requirements.)

- Completion of an associate degree program or diploma program in nursing from an accredited nursing school or college
- Completion of the GCSC baccalaureate degree application (new students) or change of program status (current students)
- Complete the nursing division application for RN-BSN program
- Provide documentation of current RN licensure with no restrictions (current license must be active in the state in which clinical rotations are to be completed)
- Provide official high school, vocational school, and college transcripts
- Documentation of a grade point average (GPA) of 2.50 or higher in all college credit courses and a "C" or higher in all prerequisite courses applicable to the RN-BSN program
- Completion of the standard Florida foreign language upper division admission requirement. If, at the time of admission, the student has not completed two consecutive years of the same foreign language in high school or eight credits in college, the student must complete eight credits of the same foreign language before completion of the program

Requirements after Conditional Acceptance:

1. Satisfactory fingerprint / criminal background check
2. Copy of Valid CPR certification (either the American Heart Association Health Care Provider Life Support Course or the American Red Cross CPR for the Professional Rescuer is acceptable)
3. Completion of physical examination (with satisfactory results), including copy of immunization form
4. Satisfactory drug screening (may be required based upon the clinical agency requirements)
5. Current PPD or TB test or Declination with x-ray results

## FINANCIAL INFORMATION

### Student Expense

Registration will not be officially completed until **all** fees are paid in full by the dates identified in the College calendar. Students are responsible for all fees for courses not dropped by the student during the drop/add period.

## Fee Changes

Fees are subject to change by the Florida Legislature and the District Board of Trustees. Current fees are available in the Office of Enrollment Services. Fees listed below are for the 2026-2027 academic year.

<b>RESIDENT</b>	
<b>PER A&amp;P, PSV, and COLLEGE PREP CREDIT HOUR:</b>	
Tuition	\$72.92
Student Activity Fee	7.29
Capital Improvement Fee	7.29
Financial Aid Fee	3.65
Technology Fee	3.65
Total, Per Credit Hour	94.80
Access Fee	3.95
<b>Total, Per Credit Hour</b>	<b>\$98.75</b>
<b>UPPER DIVISION (BACHELOR COURSES):</b>	
<b>PER A&amp;P HOUR:</b>	
Tuition	\$91.79
Student Activity Fee	4.37
Capital Improvement Fee	8.74
Financial Aid Fee	4.37
Technology Fee	4.37
Total, Per Credit Hour	113.64
Access Fee	3.95
<b>Total, Per Credit Hour</b>	<b>\$117.59</b>
<b>PER CAREER CERTIFICATE CREDIT HOUR:</b>	
Tuition	<b>\$69.93</b>
Capital Improvement Fee	3.50
Financial Aid Fee	6.99
Technology Fee	3.50
Total, Per Career Certificate Hour	83.92
Access Fee	3.95
<b>Total, Per Career Certificate Hour</b>	<b>\$87.87</b>
<b>NON-RESIDENT</b>	
<b>PER A&amp;P, PSV, and COLLEGE PREP CREDIT HOUR:</b>	
Tuition (resident portion)	\$72.92
Tuition (non-resident portion)	221.42
Student Activity Fee	7.29
Capital Improvement Fee	24.69
Financial Aid Fee	14.72
Technology Fee	14.72
Total, Per Credit Hour	355.76
Access Fee	3.95
<b>Total, Per Credit Hour</b>	<b>\$359.71</b>
<b>UPPER DIVISION (BACHELOR COURSES):</b>	
<b>PER A&amp;P HOUR:</b>	
Tuition (resident portion)	\$91.79
Tuition (non-resident portion)	436.86

Student Activity Fee	4.37
Capital Improvement Fee	34.95
Financial Aid Fee	26.21
Technology Fee	26.21
Total, Per Credit Hour	620.39
Access Fee	3.95
<b>Total, Per Credit Hour</b>	<b>\$624.34</b>

**PER CAREER CERTIFICATE CREDIT**

**HOUR:**

Tuition (resident portion)	\$69.93
Tuition (non-resident)	209.79
Capital Improvement Fee	13.99
Financial Aid Fee	27.97
Technology Fee	13.99
Total, Per Career Certificate Hour	335.67
Access Fee	3.95
<b>Total, Per Career Certificate Hour</b>	<b>\$339.62</b>

Application Fee (non-refundable).....	\$10.00
International Student Application Fee.....	\$40.00
Computerized placement testing (CPT).....	\$7.50
CLEP tests (each).....	\$102.00
Proctoring services for non-GCSC/FSU-PC students.....	\$20.00

Testing will be administered through the testing office and will be scheduled during the regular workday. The fee to cover administrative costs is payable at the Gulf Coast State College Business Office or online through RegisterBlast.

An additional fee will be charged for courses offered through Online Learning. Certain courses carry additional fees (see “Course Descriptions”).

**Fees for Non-Credit Activities**

Fees are established for non-credit courses in keeping with Florida statutes. A complete description of fees set for non-credit activities can be found in the College policy manual.

**Refund Policy for Credit Classes**

Students are responsible for all fees for courses not dropped by the student during the published drop/add period. Refunds result from 1) classes dropped by the student by the end of the published scheduled drop/add period for each term; 2) classes dropped prior to the first day of class for courses that do not begin during the scheduled drop/add period; and 3) for classes that are cancelled by the College. If the proper procedures are followed, refunds of fees paid will be initiated within two weeks after the end of the published drop/add period each term. Refunds are

sent to students using BankMobile, direct deposited to the bank account of their choice.

A drop is different from a withdrawal. A drop will result in the elimination of the class(es) from the transcript record. A class dropped before the end of published add/drop timeframes does not affect the standards of academic progress; however, it may affect the amount of financial aid awarded. A withdrawal will result in a letter grade of “W” in each class from which the student withdraws; withdrawals are included in the calculation of academic progress.

**Procedures for Requesting a Refund After the Drop/Add Period**

A student who discontinues enrollment after the published drop/add period may be granted a refund if proper procedures are followed. Procedures for requesting a refund are:

1. Contact the Office of the Dean of Student Engagement to secure a *Request to Drop Form*
2. Complete the *Request to Drop Form* and attach supporting documentation (military orders, physician’s letter, etc.). Incomplete submissions will not be considered
3. Submit all paperwork within **six weeks** of the end of the term in which enrollment is discontinued. **NO SUBMISSIONS WILL BE CONSIDERED AFTER THE SIX WEEK PERIOD**

Supporting documentation **must** include one of the following:

- Written documentation of call to or enlistment in active military duty or change of military station
- Documentation of the death of the student or member of student’s immediate family (parent, spouse, child, sibling) during the semester
- Illness of the student or of a dependent person of such severity or duration, as confirmed in writing by a physician, that completion of the semester is precluded
- Documented administrative error by College

**Refund requests must have supporting documentation to be considered.**

**Refund Policy for Non-Credit Activities**

The drop/add period for registration of non-credit classes is class-specific and, therefore, not dependent upon traditional academic terms or semesters. The refund process is initiated in writing by the student through the Continuing Education office.

A full refund will be granted when requested by 4 p.m. three workdays prior to the first day of class. After this date, refunds will not be granted. All refunds are issued by check in the name of the student registered and mailed to the student's address listed on the registration form.

Online classes are not refundable once the student's registration has been processed. Documented extraordinary situations will be considered on an individual basis by the Appeals Committee.

### STUDENT FINANCIAL AID

The mission of Gulf Coast State College's financial aid office is to effectively and efficiently serve students who need help with paying for their educational dreams by delivering information and access to financial assistance programs while meeting customer service expectations.

GCSC offers a variety of federal, state, institutional, Foundation, and private financial assistance to students. Information on the specific programs that are available, as well as how to apply for each, may be obtained online at <https://www.gulfcoast.edu/tuition-aid/financial-aid> or by contacting the Financial Aid Office in the Enrollment Services building. *Please note that students should check their official GCSC student email for Financial Aid correspondence daily.*

Each semester, students receiving financial aid should take the following steps when registering for classes:

1. Verify that your curriculum is correct by visiting <https://www.gulfcoast.edu/> myGCSC. From there, click on My Student Dashboard app and then Student Profile.
2. Verify that your contact information is up to date by visiting myGCSC and clicking on the My Personal Information app.
3. Conduct a degree evaluation to see what courses you need to finish your program of study.
4. Register for classes required by your major because federal financial aid only pays for courses necessary for graduation.
5. Register for all classes you plan to take up front, even if you would not start some until later in the semester. *If you add classes later, they may not count toward your financial aid eligibility.*
6. Check your student bill via myGCSC by clicking on the My Student Dashboard app. Make sure all your charges are accounted for by the published due date.
7. If you decide to not take a class, make sure you drop it during the appropriate drop/add period.

### Financial Aid Programs

**Federal Pell Grant (PELL):** A grant provided by the federal government to qualified students who demonstrate exceptional financial need and have a Student Aid Index (SAI) below a threshold designated annually by the U.S. Department of Education. Apply using the Free Application for Federal Student Aid (FAFSA) at <https://studentaid.gov/h/apply-for-aid/fafsa>. Award amounts are based on the number of hours enrolled each semester. Educationally related expenses may be covered by the Pell grant. *Students must reapply for all federal financial aid programs by submitting a new FAFSA each year.* Please visit <https://studentaid.gov/understand-aid/types/grants/pell> for information.

**Federal Supplemental Educational Opportunity Grant (SEOG):** A supplemental grant provided by the federal government to qualified students who demonstrate exceptional financial need. Priority is given to Pell Grant recipients and funds must be awarded in lowest SAI order. Apply using the FAFSA. Please visit <https://studentaid.gov/understand-aid/types/grants/fseog> for information.

**Federal Iraq & Afghanistan Service Grant (IASG):** A grant provided by the federal government to qualified students who have a parent or guardian that died as a result of military service in Iraq or Afghanistan. Apply using the FAFSA. Please visit <https://studentaid.gov/understand-aid/types/grants/iraq-afghanistan-service> for information.

**Federal Work-Study (FWS):** Federal funds provided to students for part-time jobs on and off campus. Students must apply by submitting a FAFSA and completing an employment application. Participants must have unmet need as determined by their cost of attendance, SAI, and other aid awarded. Contact the Financial Aid Office or visit <https://www.gulfcoast.edu/federal-work-study> for more information.

**Federal Direct Stafford Loans (DSTFS or DSTFU):** Loan funds that eligible students can borrow for education expenses. Students may use the funds now and defer repayment until they graduate or stop attending at least half-time. Interested students must submit a FAFSA, complete entrance counseling, sign a master promissory note, and submit a loan request form to the Financial Aid Office. Students may qualify for subsidized or unsubsidized loans based on their SAI and unmet need. To qualify, applicants must achieve Satisfactory

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Academic Progress. Visit <https://www.gulfcoast.edu/tuition-aid/financial-aid/loans> for more information.

**Federal Parent Loan Program (DPLUS):** Loan funds that parents of undergraduate students can borrow based on their credit worthiness. Dependent undergraduate students may apply for additional unsubsidized loan funding if one of their parent's PLUS loan applications is denied. Parents must apply, complete entrance counseling, sign a master promissory note, and submit a PLUS loan authorization form to the Financial Aid Office. Visit <https://www.gulfcoast.edu/tuition-aid/financial-aid/loans> for more information.

**Florida Student Assistance Grant (FSAG):** A state-funded grant available to students who submit a FAFSA and meet eligibility criteria determined by the Florida Department of Education (FDOE). Please visit <https://www.floridastudentfinancialaidsg.org/PDF/factsheets/FSAG.pdf> for more information.

**Florida Student Assistance Grant-Certificate Education (FSAGCE):** A state-funded grant available to students who submit a FAFSA, meet eligibility criteria determined by FDOE, and enroll in certain certificate programs of 450 or more clock hours. Please visit <https://www.floridastudentfinancialaidsg.org/PDF/factsheets/FSAGCE.pdf> or contact the Financial Aid Office for more information.

**Florida Bright Futures Scholarship Program (BF%):** A centralized state scholarship program awarded to high school students who meet certain academic requirements. Students must apply online by submitting a Florida Financial Aid Application (FFAA) prior to graduating high school. Students are responsible for repaying Bright Futures funds when they withdraw or drop classes. Students who owe Bright Futures or lose eligibility have the right to appeal. Visit <https://www.floridastudentfinancialaidsg.org/SAPBFMAIN/SAPBFMAIN> for more information.

**Florida First Generation Matching Grant (FGMG):** A state- and GCSC-funded grant available to "first generation" students who meet eligibility criteria determined by FDOE and who submit a FAFSA. Please visit <https://www.floridastudentfinancialaidsg.org/PDF/factsheets/FGMG.pdf> for more information.

**Honorably Discharged Graduate Assistance Program (HDGAP):** The Honorably Discharged Graduate Assistance Program (HDGAP) provides need-based

veteran educational benefits in the form of supplemental living expenses during holiday and semester breaks. Apply using the FAFSA. Please visit <https://www.floridastudentfinancialaidsg.org/PDF/factsheets/HDGAP.pdf> for criteria and award amount information.

**Scholarship for Children and Spouses of Deceased or Disabled Veterans (CDDV):** The scholarship for Children and Spouses of Deceased or Disabled Veterans (CDDV) covers tuition and fees for dependent children and unremarried spouses of qualified Florida veterans. Students must submit a Florida Financial Aid Application by FDOE's deadline. Eligibility will be determined by FDOE and the Florida Department of Veterans Affairs. Please visit <https://www.floridastudentfinancialaidsg.org/PDF/factsheets/CSDDV.pdf> for criteria and award amount information.

**Florida Work Experience Program (FWEP):** The Florida Work Experience Program (FWEP) is a need-based program providing eligible Florida students work experiences to complement and reinforce their educational and career goals. Please visit <https://www.floridastudentfinancialaidsg.org/PDF/factsheets/FWEP.pdf> for more information.

**Gulf Coast State College Foundation Scholarships (FOUND or FND%):** GCSC Foundation Scholarship opportunities are open to all students attending or planning to attend Gulf Coast State College. Application period traditionally begins ~December 1 and ends ~March 15. Applicants must have a cumulative GPA of 2.00 or higher and a valid GCSC student ID number. Foundation scholarships are not meant to cover 100% of a student's educational cost. Awards are only intended to supplement a student's education needs. Foundation scholarships can also be used in conjunction with federal and state grants, Bright Futures, College Prepaid programs, and other scholarship awards. Foundation scholarships are typically awarded for one academic year only (fall and spring semesters) and recipients must reapply each year unless otherwise noted. Please visit <https://gcscfoundation.org> for more information.

**State of Florida Employee Fee Waiver:** Per Section 1009.265, Florida Statutes, GCSC will waive tuition for state employees to enroll for up to (6.0) six credit hours of courses per term on a space-available basis. State employees are eligible for registration for courses during the College's published drop/add period. Waivers will not apply to any course registrations made prior to the College's published drop/add period. State employees must complete all admissions requirements,

including the application for admission, placement testing, transcripts, and proof of prerequisites. After registration, state employees must present the State Employee Waiver Intent to apply and Agency Authorization Form to the Business Office for fee payment.

**Private Loans (ALTLN):** A private or alternative loan is a loan offered by a private bank / lender that DOES NOT have the same benefits as a federal loan. It is in your best interest to exhaust all grant and Direct Stafford Loan options prior to considering an alternative loan. A student cannot receive a private loan that is greater than their cost of attendance minus other financial aid received. Be advised that students have federally protected rights regarding private education loans and that more information regarding these rights can be found at <https://www.consumerfinance.gov/rules-policy/regulations/1026/>.

#### Applying for Financial Aid

The Free Application for Federal Student Aid (FAFSA) opens every October 1 and applicants should apply online at <https://studentaid.gov/h/apply-for-aid/fafsa> as early as possible. Remember that the FAFSA is a free application! If you are asked for a credit card number or to pay a fee, you are on the wrong website.

#### Verification

Verification is a process to confirm that the information provided on your FAFSA is accurate. Some applications are selected at random by the U.S. Department of Education and others because of inconsistent information. GCSC reserves the right to select students for verification.

If you are selected for verification, then you will be notified via your GCSC email address (@my.gulfcoast.edu) to log in to MyGCSC and review your outstanding eligibility requirements. The Financial Aid Office will review the documents you submit in order to correct any FAFSA responses that are found to be invalid. You should regularly monitor your MyGCSC and student email for additional requirements. Please note that your award package may change as a result of the verification process. Documents not received by the following dates, for the following semesters, may not be processed before tuition is due:

- ~July 1 for fall
- ~November 1 for spring
- ~April 15 for summer

The deadline for an otherwise eligible student to complete the verification process for all federal aid programs will be posted online at <https://www.gulfcoast.edu/tuition-aid/financial-aid/documents-forms>.

All students selected for verification at any time while being enrolled in an award year must complete verification in order to establish or maintain eligibility for federal aid funds. Failure to complete the verification process may result in the loss of federal aid, even if you received this aid prior to being selected for verification.

#### General Eligibility Requirements

All financial aid is dependent upon the availability of funding resources. To be eligible for aid at GCSC, a student must at least:

- Have a high school diploma, eligible home school completion, or a GED certificate
- Submit college transcripts to the Office of Enrollment Services
- Declare an eligible major prior to the end of drop/add period for each semester
- Enroll at least half-time
- Be a U.S. citizen or eligible non-citizen
- Not owe an overpayment on a federal grant
- Not be in default on a federal student loan. and
- Maintain Satisfactory Academic Progress standards

#### Financial Aid – Satisfactory Academic Progress (SAP)

The Higher Education Act of 1965 is a federal law that requires Gulf Coast State College (GCSC) to establish standards of academic progress for students to achieve and maintain in order to qualify for federal financial aid. Students enrolled full-time or part-time in undergraduate programs measured in credit hours will therefore have Satisfactory Academic Progress (SAP) calculated at the conclusion of each semester. Students enrolled full-time or part-time in undergraduate programs measured in clock-hours will have SAP calculated at the point when scheduled clock-hours for each payment period have elapsed, regardless of whether the student attended all the clock-hours scheduled in the payment period. Students must meet SAP standards in order to be eligible for federal financial aid disbursement. Please visit <https://www.gulfcoast.edu/tuition-aid/financial-aid/satisfactory-academic-progress.html> for more information.

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### College Preparatory (Development/Remedial) Classes

Required developmental coursework is counted when determining a student's enrollment status for financial aid purposes. However, federal guidelines state that students are limited to 30 credit hours of funded developmental coursework.

### Enrollment Snapshot and Disbursement

Please make sure that you register for all the classes you plan on taking at the beginning of each semester. GCSC disburses financial aid based on enrollment snapshots (i.e., Pell Re-Calculation Dates, "freezes," or "censuses") that are taken after "no show" reporting periods (i.e., when instructors verify attendance). *Mini-session classes added later cannot be included in your original enrollment snapshot.* Subsequent enrollment snapshots for mini-sessions will be taken only for those students who were not registered at the beginning of the semester and who do not already have a snapshot of enrollment.

Financial aid is initially disbursed to students' college accounts approximately one week after the "no show" reporting period. Credit balance refunds are then issued by the Business Office via a partnership that GCSC has with BankMobile. Visit <https://www.gulfcoast.edu/tuition-aid/bankmobile-disbursements.html> for more information.

### Withdrawing and Paying Back Federal Aid / Return to Title IV (R2T4)

Federal financial aid is awarded under the presumption that a student will successfully complete the classes for which they receive aid. A student that withdraws from classes may owe federal financial aid back to the Department of Education (ED). Please visit <https://www.gulfcoast.edu/tuition-aid/financial-aid/return-to-title-iv.html> for more information.

### Veterans Benefits

Applicants who plan to attend college under veterans benefits should consult the veterans affairs (VA) certifying official. To learn more about veteran benefits and to apply, go to [www.gibill.va.gov](http://www.gibill.va.gov).

To be eligible, students must be degree seeking with all of their coursework leading towards that degree. Their enrollment must be reported to the VA certifying official each term. Credit for previous education and training will be evaluated and granted, if appropriate.

Gulf Coast State College will adjust its VA certification procedures to the changing dynamics of the Veterans Administration without prior notification to students.

Note: Since the first VA checks are delayed, it is advisable for the veteran to be prepared to meet all expenses for approximately two months. For further information, call the Office of Military and Veteran Services at Gulf Coast State College at 747-3210.

### Veterans' Fee Deferment Policy

In accordance with Florida Statutes 1009.27, any veteran or other eligible student who receives benefits under chapters 30, 35, or 1606 is entitled to one tuition and fees deferment each academic year and an additional deferment each time there is a delay in the receipt of benefits. Students wishing to pursue a deferment must request one each semester from the veteran and military services office. If granted, an extended due date will be established later in the semester but will not extend beyond 10 days before the end of the term. Students not satisfying unpaid balances by the extended due date will not be allowed to re-enroll until the indebtedness has been satisfied.

Any veteran or other student eligible for and wishing to use VA benefits under Chapters 31, 33, or 35 must provide their certificate of eligibility to the veteran and military services office and indicate their wish to use their benefits each semester. GCSC will expect payment directly from the VA for appropriate charges and, in accordance with Title 38 US Code 3679, will not impose any penalty, including late fees, the denial of access to classes or institutional facilities, or the requirement to borrow funds in order to pay financial obligations to the institution due to delayed funding from the VA under Chapter 31 or 33. However, if funding received from the VA is not enough to cover the student's outstanding balance, the unpaid balance will convert to a VA deferment owed by the student and will be subject to the same due dates and restrictions as listed above.

### Absence Due to Service

Members of the Armed Forces, reserve components, and the National Guard, who enroll in a course of education, may be readmitted if such members are temporarily unavailable or have to suspend such enrollment by reason of serving in the Armed Forces; must also accommodate members during short absences by reason of service.

### Office of Military and Veteran Services

The Office of Military and Veteran Services at GCSC provides assistance to active duty/veterans/guard and reserve personnel, as well as their family members who are using their VA education benefits. The areas of assistance include support of tuition assistance requests, determining if members are eligible for VA benefits, instructions on applying for benefits, advising, registration, and transitioning to the college environment.

## STUDENT SERVICES

### Academic Advising

The mission of the academic advising program is to help students attain the academic credentials and professional skills necessary for their success. Advising is a partnership where students are guided in developing their interests and creating an efficient plan to achieve their goals.

Upon application, students will select a broad pathway that reflects their interests, and a Pathway Navigator will be assigned to students based on the selected pathway. Pathway Navigators will shepherd students through orientation, initial course selection, and registration. They also will provide coaching for students as they interact with College policies and regulations.

During students' first semester, they will be assigned to a Faculty Advisor who will provide academic direction, mentoring, and program planning to ensure that students are progressing through their chosen program in an efficient manner. Faculty Advisors will guide students through their academic program, advising students on their plan for success.

### Degree Evaluation

The Institutional Degree Evaluation is a tool that assists students in determining if they are on target for graduation. The Degree Evaluation matches a student's academic history against a specific GCSC major for a specific catalog year to determine which course requirements have been met and which are still unsatisfied. Students may access their individual degree evaluation by visiting <https://www.gulfcoast.edu>, clicking on myGCSC, and then selecting My Student Dashboard, or by requesting a copy of their degree evaluation from an advisor located on the 2<sup>nd</sup> floor of Student Union East. If you have at least 45 hours completed towards your AA

degree, it is recommended that you contact the Graduation Specialist in Enrollment Services for a program review to ensure successful completion of degree requirements.

### Developmental Education

Gulf Coast State College offers developmental courses in Reading, Writing and Mathematics using compressed strategies. In addition, ENC 1101C will be offered as one option for meeting the Reading and Writing requirements for the gateway course in English. In Mathematics, traditional placement students (see page 13) will have two options from which to choose, as well as the choice of pursuing developmental coursework in traditional "face-to-face" classes or via distance learning format. Only traditional "seated" classes are available for developmental English and Reading. In all instances, students will be informed of the advisability of taking the PERT placement tests to better inform their own decision-making process.

In addition, Mathematics "gateway" course requirements have been re-aligned to reflect students' indication of future interests through identification of a "meta-major," with the MAC 1105 (College Algebra) sequence reserved for students selecting STEM meta-majors and as an option for students in the Business meta-major. Students selecting any other meta-major have the option to complete STA 2023 or MGF 1130.

### Placement Testing

Some first-time-in-college degree seeking students entering college credit programs are required to take some form of basic testing for placement in English, reading, and mathematics. Students may meet this requirement several ways:

- ACT or SAT scores may be used for placement provided that the scores are less than two years old and they meet state-mandated minimum score levels.
  - If ACT or SAT scores are lower than the state-mandated minimum scores, the student may take the College Placement Test (CPT).
  - If a student transfers college-level mathematics credit and/or college-level English composition credit to GCSC, the student has completed the testing requirement in that specific discipline and must test only in the area he or she is deficient. Transfer students need to have their transcripts evaluated by the Transcript Specialist to determine whether it is required to take any of the tests. College-level English composition credit supersedes the need for placement in reading.
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Active-duty members of the United States Armed Services qualify for **Flexible Placement**.

### Traditional Placement

Prospective students who entered the 9th grade in a Florida public school prior to 2003-2004, or graduated from a non-public Florida High School, or earned the GED qualify for **Traditional Placement** in English, reading, and mathematics. Traditional Placement requires that the student submit active scores on a college placement test (PERT, CPT, ACT, SAT) to the college to assist academic advisors in determining the student's readiness for college-level English, reading, and mathematics.

### Flexible Placement

Prospective students who entered the 9th grade in a Florida public school in 2003-2004 or later and who earned a standard Florida high school diploma from a Florida public high school OR are serving as active-duty members of the United States Armed Services qualify for **Flexible Placement**. Flexible Placement indicates that the student is not required to be tested or to enroll in developmental education. Students have the flexibility to opt into developmental education if they deem it appropriate after consultation with their pathway navigator.

Transfer students who have satisfied English and math requirements may not need placement testing. Students who meet the following criteria are exempt from placement testing:

- Non-degree seeking students. Note: The college placement test or unofficial transcripts may be required for students taking English or math courses for the first time
- Students who meet the **Flexible Placement** criteria as described above
- Transfer students who present transcripts showing a grade of "C" or better in college-level English and/or mathematics
- Students with ACT or SAT scores at or above the state minimum that are less than two years old. Listed below are the **Traditional Placement** scores for College-Level Placement based on the ACT and SAT scores

<u>Enhanced ACT</u>	<u>SAT (New)</u>
Reading = 19	
English = 17	Reading = 24
Mathematics = 19	Mathematics = 24

Arrangements for special testing accommodations are made in the Office of Student Accessibility Resources.

In accordance with Florida Statute Section 1008.30 State Board of Education Rule 6A-10.0315(8), a degree-seeking student has a maximum of two attempts on the Postsecondary Education Readiness Test (PERT) once admitted to the college. Attempts are considered by subtest (reading, writing, math) and do not have to be taken at the same time.

College placement tests are available for a fee and results are available immediately after testing. The PERT can be taken at the Panama City Campus in Student Union West Room 80, at the Gulf/Franklin Campus in Building B, or at the Tyndall Air Force Base Education Center. Appointments for the Panama City Campus and the Gulf/Franklin Center are made online at <https://www.gulfcoast.edu/academics/academic-support-tutoring/testing/index.html>.

The College Level Examination Program (CLEP) and DANTES test are administered at the Panama City Campus. The registration fee can be paid in the Bookstore or Business Office or online through RegisterBlast and an appointment must be made on RegisterBlast as well. The CLEP test schedule is available on the College website (<https://www.gulfcoast.edu>); under *Admissions* click on the **Testing** option then "CLEP."

CLEP and DANTES testing is also available to eligible military and Department of Defense personnel at the Tyndall Air Force Base Campus. To schedule a test, visit the College website (<https://www.gulfcoast.edu/academics/academic-support-tutoring/testing/off-campus-proctoring/tyndall-afb-testing.html>).

The Test of Adult Basic Education (TABE) is administered to students interested in one of the career certificate programs. Students are registered to take the TABE by the program advisor and can test either at the Panama City Campus, the North Bay Campus, or the Gulf/Franklin Campus. The TABE test schedule is available on the College website (<https://www.gulfcoast.edu>); under *Admissions* click on the **Testing** option then "TABE."

The Health Education Systems, Inc. (HESI) is administered to students pursuing a career in nursing. Students are registered to take the HESI by a program advisor in the Health Sciences Division.

### Bookstore

Gulf Coast State College maintains a bookstore in the Student Union West. The bookstore sells new and used books, school supplies, and Commodore apparel. The

bookstore is open Monday through Thursday from 7:30 a.m. to 5:00 p.m. and on Fridays from 7:30 a.m. until 4:00 p.m. during the fall and spring semesters.

Bookstore hours during summer terms vary from those listed above. Books for Gulf/Franklin Center classes are sold at the Gulf/Franklin Center Bookstore Monday through Friday. During the final exam period of each semester, the bookstore at the main campus will buy back select titles from students.

### Library

The library provides essential services and resources, regardless of instructional site or mode of course delivery, to expand learning opportunities and foster student success. Whether on campus or online, in Panama City or at a remote campus or high school, the collections, resources, and services support students and employees in all program areas. Resources are organized for discovery and access at the library and through the website. Library staff provides one-on-one assistance through multiple platforms to help students find information. Reference and consultation services are available in person, on the phone, via email and online chat, through web conferencing, and may be booked online. The front desk is staffed for all hours that the library is open. (Refer to the website for hours.) For more information, call (850) 872-3893 or (800) 311-3685 or email [librarian@gulfcoast.edu](mailto:librarian@gulfcoast.edu). Services may also be accessed via the “Library” link at <https://www.gulfcoast.edu> under “Academics.”

### Florida Shines

Florida Shines is a network that provides access to many resources of Florida’s higher education institutions. Florida Shines offers a variety of student services and resources provided for convenience by the State of Florida and by the participating institutions. Students may access the Florida Shines website at [www.floridashines.org](http://www.floridashines.org) to stay aware of current degree requirements, run a graduation evaluation, access college transcripts, take career assessments, investigate Florida colleges and degrees, and apply to Florida colleges.

### Registration

Registration is the process of building your class schedule and enrolling in courses. Courses are offered for varying lengths of time in a term. There are three full terms in an academic year—fall, spring, and summer—which are approximately 16 weeks (12 weeks in the summer) each. Each term has mini terms that are 8 weeks (6 weeks in the summer) in length. Go to <https://www.gulfcoast.edu> and click on myGCSC to

access My Student Dashboard to register for classes. Please refer to the academic calendar for dates of open registration.

As a new degree-seeking student, you will be eligible for registration after completion of Onboarding (orientation). Go to <https://www.gulfcoast.edu/admissions/new-student-orientation/index.html> to complete your orientation. You will need your student ID number to access. If you have a “registration hold” on your record, you will need to resolve the hold before you can register. To find out if you have any holds on your record, go to <https://www.gulfcoast.edu> and click on myGCSC to access My Student Dashboard. Click on Student Profile. You can then choose **Holds** from the upper right side of the screen.

### Websites

Websites students may find useful include:

- [www.studentclearinghouse.org](http://www.studentclearinghouse.org), download degree and/or enrollment verifications and order official transcripts
- [www.floridashines.org](http://www.floridashines.org), degree shop/copy of transcripts/apply to academic institutions
- [www.ets.org](http://www.ets.org), international student information on TOEFL
- [www.collegeboard.com](http://www.collegeboard.com), order official SAT scores, CLEP/AP/IB
- [www.actstudent.org](http://www.actstudent.org), order official ACT scores
- [www.collegesource.org](http://www.collegesource.org), information of college and/or universities
- [www.va.gov](http://www.va.gov), information on veteran student benefits
- <https://www.gulfcoast.edu/academics/academic-support-tutoring/testing/credit-by-exam/index.html>, student-information on CLEP/IB/AP/AICE
- <http://www.leg.state.fl.us/statutes><http://www.leg.state.fl.us/Statutes/index.cfm>, current state statutes
- <https://ged.com/> order GED transcripts

### The Honors Program

The Honors Program emphasizes development of critical thinking skills in an environment that is unique and challenging. Honors courses are designed to be a different approach to teaching and learning. Dedicated honors classes are small, generally fewer than 20 students per class. Emphasis is placed on individuality, originality, and participation. Honors students have opportunities to participate in unique

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research and special classroom activities not usually available in the regular classes for these courses. The Honors Program curriculum is designed to fulfill most of the general education requirements and fit every Associate program the college offers.

A significant component of the program is the honors services point system. Students must accumulate a total of 25 honors service points by attending or participating in approved scholastic, community service, and campus events. The Honors Program Committee and the Director maintain a list of qualifying events and their respective point values on the Honors webpage. While students may propose new events for approval, final discretion lies with the Director of the Honors Program.

There are two paths to successfully complete the Honors Program:

- Honors Program Graduates are defined as students who complete 12 credit hours of honors courses and 25 honors service points while maintaining a GPA of 3.5 or higher. Honors Program Graduates receive special recognition during graduation, including the honors stole and cord, the honors seal on their diplomas, and the “Honors Program Graduate” designation on transcripts.
- Honors Program Scholars are defined as students who complete 12 credit hours of honors courses and 25 honors service points while maintaining a GPA of 3.0-3.49. Honors Program Graduates receive special recognition during graduation, including the honors cord and the “Honors Program Scholar” designation of transcripts.

Participants in the program may be eligible for additional scholarship opportunities, membership in Phi Theta Kappa International Honorary Society, nomination to the Academic All-USA Team, and Brain Bowl. Students are then expected to maintain a 3.0 GPA in all coursework in order to remain in the program. Students who fail to maintain this minimum GPA will not be permitted to enroll in additional Honors courses until the GPA is improved to 3.0. In special cases, the Honors Director may be able to substitute a course. The Honors Program curriculum often includes the following options:

IDH 2931 Honors Symposium*	1 credit
IDH 1905 Honors Research**	1 credit
IDH 1910 Directed Honors Research I	3 credits
IDH 1911 Directed Honors Research II	3 credits

ENC1102H, Honors English Composition II	3 credits
THE2000H•, Honors Understanding Theatre	3 credits
PHI2010H•, Honors Introduction to Philosophy	3 credits
REL2300H, Honors Religions of the World	3 credits
LIT2000H•, Honors Literature and Culture	3 credits
LIT2090H, Honors Contemporary Literature	3 credits
MAC2311H•, Honors Calculus with Analytic Geometry I	4 credits
STA2023H•, Honors Statistics	3 credits
EVR1001H•, Honors Introduction to Environmental Science	3 credits
BSC1005H•, Honors General Biological Science	3credits
BSC2085H•, Honors Human Anatomy & Physiology I	3credits
ECO2013H•, Honors Principles of Economics, Macro	3 credits
PSY2012H•, Honors General Psychology	3 credits
EUH1000H, Honors Western Civilization I	3 credits
AMH2020H•, Honors United States History II	3 credits
POS2041H•, Honors American National Government	3 credits
Majors Course Honors by Contract***	1-3 credits

\*The topics addressed in the Honors Symposium change each semester and the course may be taken more than once. Requires permission of instructor or Honors Program Director for approval to register.

\*\*Honors Directed Research allows the student to develop independent research skills, address leadership qualities and to create conference worthy presentations; this course may be taken more than once. Requires permission of instructor or Honors Program Director for approval to register.

\*\*\*Contractual course arrangements permit any course within a student’s major to become an Honors course by contract. Honors contracts are processed by the 10th working day after the drop and add period. Requires permission of instructor or Honors Program Director for approval to register.

• Indicates General Education Core Course. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

For a more complete list and explanation of Honors Program or curriculum, contact the Honors Program Director by email at [honors@gulfcoast.edu](mailto:honors@gulfcoast.edu).

## TRiO

GCSC proudly sponsors three federally-funded [TRiO](#) support and outreach grant projects—[Upward Bound \(2022–2027\)](#), [Educational Opportunity Center \(2021–2026\)](#), and [Student Support Services \(2025–2030\)](#).

TRiO's mission is to provide low-income, first-generation, or disabled individuals from Bay, Gulf, and Franklin counties with impactful services designed to motivate them toward the successful attainment of a post-secondary credential.

The services that TRiO provides free-of-charge to eligible participants include:

- Individual and group tutoring in all academic areas
- Test preparation (e.g., ACT, CLT, FCLE, GED, PERT, & SAT)
- Specialized workshops
- Counseling on study skills, economic literacy, and success strategies
- Activities and cultural events
- Tours of colleges and universities
- Assistance with admissions and financial aid applications (e.g., the FAFSA)
- Educational coaching, consultation, and mentorship
- Career and academic advice
- Summer instruction

Please visit Room 89 in Student Union West, call (850) 913-2937, or email [trio@gulfcoast.edu](mailto:trio@gulfcoast.edu) if you would like to submit an application to one of our programs.

Federal disclosures and additional information about each of our projects can also be found online at <https://www.gulfcoast.edu/trio>.

Note: GCSC's TRiO department does not discriminate. Each of our grant projects comply with applicable federal civil rights laws, Presidential Executive Orders, and non/sub-regulatory guidance. Participants are identified and selected for project participation without regard to race, color, national origin, gender, disability, or any other immutable characteristic. To ensure compliance, TRiO uses standardized application procedures, adheres to federal eligibility criteria, relies upon objective ranking processes, performs ongoing compliance reviews, and undertakes nondiscrimination training.

### Services for Students with Disabilities

Gulf Coast State College encourages the enrollment of students with disabilities and recognizes their special needs; thus, the Student Accessibility Resources program at GCSC is comprehensive in the services offered and the range of disabilities served. Its focus is

academic support through human support services and technology to assist students reach their potential and academic goals. The College endeavors to provide equal access to a quality education by providing reasonable accommodations to qualified individuals. To promote academic success, we offer a wide range of assistance and support services. Services include but are not limited to assistance in course registration, information about and referrals to campus and community services, academic counseling, learning support specialists, testing accommodations, readers, note taking support, sign language interpreters, assistive listening devices, and adaptive equipment. Students who have a disability requiring special assistance should contact the Office of Student Accessibility Resources (SAR) at 850-747-3243 or email [SAR@gulfcoast.edu](mailto:SAR@gulfcoast.edu). Our office and student development rooms are located in Student Union East rooms 27, 54, and 60. For additional information you can visit our website at <https://www.gulfcoast.edu/academics/academic-support-tutoring/> and access a copy of the SAR student handbook.

### Course Substitution

Gulf Coast State College has developed and implemented policies and procedures for providing reasonable course substitutions for eligible students with disabilities. Students who may be eligible for substitutions are those who have documented disabilities. Documentation must be provided to substantiate that without a course substitution the disability can be reasonably expected to prevent the student from meeting requirements for admission to the institution, admission to a program of study, entry to upper division, or graduation. Students receiving VA educational assistance **must** notify the Office of Military and Veterans Services.

For additional information and assistance, contact the Office of Student Accessibility Resources (SAR) at 850-747-3243, email [SAR@gulfcoast.edu](mailto:SAR@gulfcoast.edu), or visit our location in the Student Union East, Room 27 to schedule an appointment with a SAR staff member.

### Computer Labs

Computers for use by the students and staff of the College are located in the library. Fully supported by Information Technology Services, library computers have Internet access and basic applications. A limited number of computers with specific software applications used for business, technology, and digital media courses are also available. These computers are available all hours the library is open. An open

computer lab is also available at the Gulf/Franklin Center Monday through Friday.

### **Student Insurance**

The College has no accident or medical insurance available for students. If a student is not covered under a personal or family policy, the College strongly recommends that the student purchase such a policy from the agent of choice.

### **Student Identification Card**

Photo student ID cards are provided at the ID Center at the Information Desk on the first floor of Student Union East or at the following locations: the main office at the Gulf/Franklin Center, the main office at the North Bay Center and the GCSC office at Tyndall Air Force Base. Students must present current photo identification (driver license or military identification) and a current registration receipt that shows the student's ID number to have the photo ID taken. There is no charge for the original ID card; however, a fee is incurred for replacement cards.

## **MYGCSC STUDENT PORTAL**

MyGCSC Student Portal is the student's gateway to My Student Dashboard, the student information system; Canvas, the learning management system; Stu-Email, the student email system; and PaperCut, the print management system for students. MyGCSC is located at the college's webpage where students will utilize a secure login to access all these systems. Each system is detailed below. When students apply to the college the Lighthouse and Stu-Email accounts are accessible; when students register for classes their Canvas and PaperCut accounts are accessible.

### **My Student Dashboard**

My Student Dashboard is the student system of record where academic records are stored. Students can register for classes, check their transcripts, access financial aid information, add/drop classes, pay for classes, and check final grades.

### **My Student Profile**

My Student Profile provides students and advisors with a one-stop view of data including holds, registered courses, billing information and financial aid. This one-stop view can be assessed by going to My Student Dashboard page.

### **Canvas**

Canvas is the student learning management system. Students log into Canvas through myGCSC to see online courses, interact with professors and classmates, submit assignments, and more. Many classes use Canvas to post class information, test scores, homework assignments, discussion boards, additional videos and information, quizzes and tests. Canvas is used for many face-to-face classes as well as online classes.

### **Student Email**

The student email account is the OFFICIAL COMMUNICATION from the college to the student. The college uses this system to communicate with students about Financial Aid, registration dates, student events, and other opportunities for students.

### **PaperCut**

The college library has printers available for students. Student printing accounts are managed by PaperCut. Students can log into PaperCut to view their account balance, view printing history, and add funds via PayPal. Funds can also be added at one of the PaperCut kiosks located in the library. Students can take advantage of wireless printing from their personal laptops by uploading documents to PaperCut's User Web Console.

## **TUTORIAL SERVICES**

The College provides tutorial support to Gulf Coast students in English, reading, mathematics, and science. Tutoring is also available to students in accounting, computer science, and economics classes.

### **Math Lab**

Located on the second floor of the Student Union West, the Math Lab offers free tutoring for students in mathematics courses through Calculus I. Students are encouraged to come do their math homework in the lab so they can ask questions as they practice the material. The lab is equipped with computers where students can watch course videos and utilize online resources. The Math Lab is a fun learning environment where students can ask questions, study, and learn how to become successful in their math classes.

Mission: To provide a positive atmosphere where students come to get help with their homework,

enhance their study skills, and become successful independent learners.

### **Science Tutoring Labs**

The Science Tutoring Labs offer free tutoring for students with any science course such as biology, chemistry, and physics. Tutoring for all BSC (Biological Sciences) courses is available in the Natural Sciences Building, Room 118. Tutoring for all PHY (physics) and CHM (Chemistry) courses is available in the Asbell Business Building, Room 205. Computers are available in AB205 for students to watch course videos and utilize online resources.

### **Writing and Reading Lab**

The Writing and Reading Lab, located in the Rosenwald Classroom Building in rooms 108 and 110, offers free tutoring for students in English and Reading courses and is also happy to provide tutoring to any student seeking assistance with English, grammar, punctuation, mechanics, essay development, reading comprehension, organization of ideas, and MLA, APA, and Chicago style formatting.

Mission: The Writing and Reading Lab endeavors to support the achievement of student academic goals by providing tutoring in a caring and supportive environment thereby increasing retention and graduation rates. Maximizing the aptitude of developmental students in order to meet the rigorous demands of the curriculum is paramount.

### **ACE Tutoring Lab**

The ACE Tutoring Lab is located in the Charles Hilton Center, Room 225, and offers free tutoring to students in accounting, computer science, and economics classes. Students are encouraged to come and do their homework or projects in the lab so they can ask questions while they work. Tutoring hours vary from semester to semester depending on the availability of tutors.

Mission: The tutoring lab provides a supportive environment where students can get help with their homework, enhance study skills, and become successful students.

## **STUDENT SUPPORT**

### **Counseling**

Counseling services are available for academic adjustment, personal concerns, and referral services. Care is taken to assure the highest standards of confidentiality are maintained at all times. The Counseling Center is located on the first floor in the Student Union East.

### **Academic Freedom**

Believing that collegiate education is fortified through the vigorous and unfettered presentation and exchange of ideas, the District Board of Trustees of Gulf Coast State College staunchly upholds the tenets of academic freedom. No external coercion shall be permitted to interfere with sober pursuit of truth and knowledge within the context of properly constituted courses and programs of study. The District Board of Trustees has developed procedures by which curricula and syllabi are developed and modified in keeping with the mission of the institution.

### **Student Conduct**

An applicant suspended from another institution for disciplinary reasons will not be admitted to Gulf Coast until eligible for readmissions to the suspending institution.

Gulf Coast State College students are subject to College rules and policies and all public laws. Students who violate College rules or policies are subject to disciplinary action as provided in the Student Conduct Code found in the *Student Handbook*.

### **Appeals Committee (Non-academic)**

The Appeals Committee reviews non-academic grievances, including those involving the impact of religious beliefs or practices on the educational benefits of students, denial of admission to the college, and denial of requests for drop with refunds. Members of the committee are appointed by the College president each year.

### **Academic Grievances**

Gulf Coast State College ensures fair and prompt resolution of student academic grievances, providing due process and equitable treatment for all parties involved. For a copy of the Student Academic Grievance procedure, refer to the Student Handbook, or contact the Office of Academic Affairs. If you are

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taking courses offered by Gulf Coast State College while residing in a state other than Florida, information regarding the college's complaint resolution policies and procedures, including those related to NC-SARA (National Council for State Authorization Reciprocity Agreements), can be found on the college website at <https://www.gulfcoast.edu/academics/online/student-grievance.html>.

### Student Rights & Responsibilities

Gulf Coast State College holds students and community of central importance. The College provides many opportunities for learning and offers a range of programs and services to help students become well-educated, productive citizens. The College is equally dedicated to collaborating with the community to help create or improve economic well-being and to offer the space of the College for social dialog, events of art and culture, and other moments that enhance our quality of life.

In accordance with the College's mission, the institution articulates rights and responsibilities that shall form the foundation of the social contract between the student and the institution. Basic to these rights and responsibilities are the students' rights:

- To be treated with respect and dignity
- To be afforded due process in resolution of all conflicts with the College
- To the counsel of a student advocate (Student Ombudsman) to assist in the resolution of such conflicts
- To protection of all constitutional rights in accordance with the United States Constitution

As a member of the Gulf Coast State College community, students also are obligated to the following basic responsibilities:

- To behave in a mature, responsible manner
- To respect the rights, opinions and beliefs of other community members
- To adhere to all established College policies and procedures

### Student Ombudsman

Gulf Coast State College has designated the Dean of Student Life to serve as the student ombudsman. The role of the ombudsman is to investigate student problems experienced at the College and to attempt to secure a satisfactory resolution.

### Student Right to Know

**Student Persistence Rules/Placement Rate of Vocational Completers:** Information regarding graduation rates and placement are available as required by the Student Right to Know Act (Public Law 101-542) in the Office of Institutional Effectiveness on the Panama City Campus.

### Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act affords students certain rights with respect to their educational records. These rights include:

1. The right to inspect and review the student's education records within 45 days of the day Gulf Coast State College receives a request for access. Students would submit to the registrar's office written requests that identify the record(s) they wish to inspect. The registrar 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 registrar's office the student shall be advised of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes is inaccurate. Students may ask Gulf Coast State College to amend a record that they believe is inaccurate. They should write the registrar, clearly identify the part of the records they want changed, and specify why it is inaccurate. If Gulf Coast State College decides not to amend the record as requested by the student, the student shall be notified of the decision and advised as to his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by Gulf Coast State College in an administrative, supervisory, academic, research, or support staff position (including law enforcement personnel and health staff); a person or company with whom Gulf Coast State College has contracted (such as an attorney, auditor,

collection agent, degree conferral & transcript processing agent, document managing agent, and placement sites for internship or similar student work/study opportunities); a person serving on the Board of Trustees; 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; consultants, volunteers or other outside parties to whom Gulf Coast State College has outsourced institutional services or functions that it would otherwise use employees to perform. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. As allowed with FERPA guidelines, Gulf Coast State College may disclose education records without consent to officials of another school, upon request, 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 Gulf Coast 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 20202-5901
5. What conditions apply to disclosure of information in health and safety emergencies?
  - a. Gulf Coast State College may disclose personally identifiable information from an education record to appropriate parties, including parents of an eligible student, in connection with an emergency if knowledge of the information is necessary to protect the health or safety of the student or other individuals.
  - b. Nothing in the 20 U.S.C. 1232g (b)(1)(I) and (h) or this part shall prevent Gulf Coast State College from:
    1. Including in the education records of a student appropriate information concerning disciplinary action taken against the student for conduct that posed a significant risk to the safety or well-being of that student, other students, or other members of the school community;
    2. Disclosing appropriate information maintained under paragraph (b)(1) of this section to instructors and school officials within Gulf Coast State College who have been determined to have legitimate educational interests in the behavior of the student; or
    3. Disclosing appropriate information maintained under paragraph (b) (1) of

this section to instructors and school officials in other schools who have been determined to have legitimate educational interests in the behavior of the student.

6. In making a determination under paragraph (a) of the section, Gulf Coast State College may take into account the totality of the circumstances pertaining to a threat to the health or safety of a student or other individuals. If Gulf Coast State College determines that there is an articulable and significant threat to the health or safety of a student or other individuals, it may disclose information from education records to any person whose knowledge of the information is necessary to protect the health or safety of the student or other individuals.

At its discretion, Gulf Coast State College may provide Directory Information in accordance with the provisions of the Family Education Rights and Privacy Act. Directory Information is defined as that information which would not generally be considered harmful or an invasion of privacy if disclosed. Designated Directory Information at Gulf Coast State College includes the following:

- Student's name
- Major field of study
- Enrollment status
- Participation in recognized activities and sports
- Weight, height, and photograph of athletic team members
- Dates of attendance
- Degrees, awards, and previous schools attended

Students may withhold Directory Information by notifying the registrar in writing; please note that such withholding requests are binding for all information to all parties other than for those exceptions allowed under the Act. Students should consider all aspects of a Directory Hold prior to filing such a request.

### Health or Safety Emergency (FERPA)

In an emergency, *FERPA* permits school officials to disclose without student consent education records, including personally identifiable information from those records, to protect the health or safety of students or other individuals. At such times, records and information may be released to appropriate parties such as law enforcement officials, public health officials, and trained medical personnel. See 34 CFR § 99.31(a) (10) and § 99.36. This exception to *FERPA*'s general consent rule is limited to the period of the

emergency and generally does not allow for a blanket release of personally identifiable information from a student's education records. In addition, the Department interprets *FERPA* to permit institutions to disclose information from education records to parents if a health or safety emergency involves their son or daughter.

### Internet Privacy Policy

Website privacy is very important to us. Our policy is to collect no personal information about you when you visit our website, unless you affirmatively choose to make such information available to us.

When you visit our website, our Web server automatically recognizes the Internet domain, IP address from which you accessed our website. This information does not result in the identification of your personal e-mail address or other personal information.

In addition, we gather information regarding the volume and timing of access to our website by collecting information on the date, time, and website pages accessed by visitors to the website. We do this so that we can improve the content of our website, and this information is not shared with other organizations. Again, only aggregate information is collected, and individual visitors' personal information is not identified. If you choose to share personal information with us, by sending us a message or filling out an electronic form with personal information or sending a message, we will use the information only for the purposes you authorized. Some of the information may be saved for a designated period of time to comply with the state of Florida's archiving policies, but we will not disclose the information to third parties or other government agencies, unless required by state or federal law.

For information on the risks of identity theft and what to do if you suspect you are a victim of identity theft, go to <http://www.ftc.gov/>.

If you have other questions about our privacy policies, or have ideas about improving our policies, please feel free to e-mail us at [geller@gulfcoast.edu](mailto:geller@gulfcoast.edu), or contact us by telephone at (850-872-3857).

### Notification of Social Security Number Collection and Usage

In compliance with Section 119.071(5), Florida Statutes, Gulf Coast State College (GCSC) issues this notification regarding the purpose of the collection and use of your Social Security Number (SSN). GCSC collects your SSN

only to perform College duties and responsibilities. To protect your identity, GCSC will maintain the privacy of your SSN and never release it to unauthorized parties in compliance with state and federal laws. The College assigns you a unique student/employee identification number which is used for associated employment and educational purposes at GCSC, including access of your records. Gulf Coast State College may collect and/or use your Social Security Number for the following purposes:

### EMPLOYEES

#### Human Resources (Employment and Hiring)

Social Security Numbers are used for legitimate business purposes in compliance with completion and processing of the following:

- Federal I-9 (Department of Homeland Security)
- Federal W4, W2, 1099 (Internal Revenue Service)
- Federal Social Security taxes (FICA)
- Processing and Distributing Federal W2 (Internal Revenue Service)
- Unemployment Reports (Florida Department of Revenue)
- Florida Retirement Contribution reports (Florida Department of Revenue)
- Workers Comp Claims (FCCRM and Department of Labor)
- Direct Deposit Files (affiliate banks)
- 403(b) and 457(b) contribution reports
- Group health, life, and dental coverage enrollment (for employees and their dependents)
- Various supplemental insurance deduction reports
- Backgrounds checks (SSNs are collected in conducting employment background investigations for prospective employees as well as promotion eligible employees pursuing positions of special trust)
- Retirement documents (for retirees, employees and their beneficiaries)

**Providing your Social Security Card is a condition of employment at GCSC.**

### STUDENTS

#### Admission and Registration

Federal legislation relating to the American Opportunity Tax Credit/Lifetime Learning Tax Credit requires that all postsecondary institutions report student SSNs to the Internal Revenue Service (IRS). This IRS requirement makes it necessary for colleges to collect the SSN of every student. **A student may refuse to disclose his or**

**her SSN for this purpose, but he/she may be subject to IRS penalties.**

The Florida public school system uses SSN as a student identifier. It is beneficial to have access to the same information for purposes of tracking and assisting students in the transition from one education level to the next, linking all levels of the state education system. The intent is to establish a comprehensive management database of information which will co-reside with the Division of Public Schools Information Database and the State University System Database to provide integrated information at the state levels for educational decision-making.

Social Security Numbers may appear on official transcripts and are used for business purposes in accordance with parameters outlined by the U.S. Department of Education.

Tracking uses are authorized by SBE Rule 6A-10955(3)(e); 1008.386, F.S. and the General Education Provisions Act (20 USC 1221(e-1)).

American Opportunity Tax Credit/Lifetime Learning Tax Credit users are authorized by 26 USC 25A.

Registration users are authorized by 119.071(5), F.S.

Issuance of Form 1098T for tuition payment reports is authorized by 26 USC 6050S, with updated guidelines in Federal Register, August 2, 2016/IRC Section 25A.

The College Reach-Out Program (CROP) uses are authorized by 1007.34, F.S.

**Veteran Administration Benefits**

The SSN is required for enrollment verification and reporting for all Veterans Administration beneficiaries. A veteran student is required to report his/her SSN in order to receive the appropriate benefits and for tracking purposes.

**Financial Aid**

The student Financial Aid Office uses SSNs in the application process for determining eligibility for financial aid such as grants, loans, work assistance programs, and scholarships (including Bright Futures). The SSNs are used to identify students by the Florida Office of Student Financial Aid and the U.S. Department of Education. Each student must report his/her SSN on the FAFSA. **If a SSN is not provided, the FAFSA will not be processed.**

**Workforce Programs**

These programs, funded through the Agency for Workforce Innovation (AWI), use your Social Security Number as an identifier for program enrollment and completion.

**Contractors**

Gulf Coast State College collects contractor Social Security Number information in compliance with Internal Revenue Service regulations for contractors and individuals who have entered into agreements for services, as required and authorized by federal law.

**Foundation/Alumni Affairs**

The Foundation is charged with advancing the mission and goals of the College through outreach initiatives, facilitating alumni relations and fundraising efforts. The Foundation has a need to access SSNs of College graduates for the sole purpose of locating "lost" alumni and confirming alumni identify and/or status (i.e., deceased).

**Student ID Numbers**

All GCSC students are issued a unique Student Identification (ID) number upon acceptance to the College. All College transactions will require the student to provide their ID number.

**Parking and Campus Security**

Campus security and parking safety are important for students, staff, and visitors to Gulf Coast State College. Employees and students should keep personal safety as their first priority and take the following steps in case of an emergency.

- Call the FSU Police, ext. 3111, from any College phone or 872-4750 ext. 3111
- Call 911 if a life-threatening emergency
- Safety concerns at the Gulf/Franklin Center should be reported to the director and/or staff located in Building A
- Safety concerns at the North Bay Center should be reported to the division chair and/or staff located in the Abbott Building

Operating a vehicle on College properties is a privilege and it is the student's responsibility to adhere to all published guidelines and posted traffic information. Failure to follow these rules may result in the loss of this privilege.

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All parking areas are color coded accordingly:

- Green curb parking is reserved for faculty and staff
- Blue curb parking is reserved for handicapped permits
- Yellow curb parking areas are designated as No Parking.

Any areas not marked as previously designated are available for student and guest parking. All vehicles on the GCSC Panama City campus, the North Bay Center, and the Gulf/Franklin Center are required to display a parking decal or temporary permit, as appropriate. The cost of the first decal or permit is included in the student's fee and additional decals are available for fee-paying students at a small additional cost.

Students, faculty, staff, and visitors parking in restricted areas will receive traffic citations for violations. Fines must be paid in a timely manner in the College's Business Office or the fines will increase in accordance with guidelines published on the College's website. Funds generated from parking violations will be used for student financial aid purposes per F.S. 1006.64(24). To aid in the prevention of accidents and criminal activity on campus, GCSC requests students report suspicious activities to staff immediately. The Florida State University – Panama City Campus Police monitor parking areas and buildings for the safety of our students, faculty, and staff. "Campus Crime Watch Area" signs with instructions and periodic crime awareness programs help students protect their personal safety and possessions on campus. Campus security includes a strict prohibition about the possession, use, or sale of alcoholic beverages and illegal drugs. The "Drug Free Campus" policy found in the *College Catalog*, the *Student Handbook*, and the *Employee Handbook* describes College policies regarding the possession, use, or sale of alcoholic beverages and illegal drugs.

The annual campus security report contains campus crime statistics for years 2019, 2020 and 2021. Statistics concern criminal offenses, as defined by the university crime reporting format, reported to campus security or local police agencies. Additional information can be found at the OPE Campus Security Statistics website (<http://ope.ed.gov/security>) brought to you by the U.S. Department of Education.

### **Parking Decals/Temporary Passes**

Vehicles on all Gulf Coast State College properties are required to display a College parking decal or temporary pass issued by the sponsoring department for short duration events. Failure to comply with this requirement may result in a traffic fine, and repeated

offenses may result in a loss of driving privileges on campus. Parking fees are established annually and approved by the District Board of Trustees as part of the annual operating budget. Parking fees are to be used for the maintenance of parking areas, pedestrian walking areas, lighting, costs of maintaining the public trolley access, and other associated costs.

Parking tickets will not be issued during public events such as public forums, athletic events, and performing arts performances provided the vehicle is otherwise legally parked.

The cost of the first parking decal for GCSC and FSU-PC students is included in the student's fees. Decals expire on July 31 and may be obtained by presenting a copy of a paid fee receipt to the Information Desk on the first floor of the Student Union East. A second decal, if needed, may be obtained by the student at a cost of \$5 to cover administrative costs.

Temporary passes are available for others attending events of short duration on College properties and may be obtained by contacting the sponsoring department on campus. Students using temporary forms of transportation, such as a rental vehicle, may obtain a temporary pass at the Information Desk on the first floor of the Student Union East rather than purchase an additional decal.

### **Handicapped Parking**

Parking in handicapped parking spaces requires a state-issued tag or placard, and violations are subject to civil penalties as allowed by Florida Statute.

**CAMPUS CRIME REPORT STATISTICS****Number of Offenses Reported**

OFFENSES	2023	2024	2025
Murder	0	0	0
Manslaughter	0	0	0
Sex Offenses – Forcible	0	0	0
Sex Offenses – Non-Forcible	0	0	0
Robbery	0	0	0
Aggravated Assault	0	0	0
Burglary	0	0	0
Arson	0	0	0
Motor Vehicle Theft	0	0	0
Domestic Violence	0	0	0
Dating Violence	0	0	0
Stalking	0	0	0
Alcohol Offenses	0	4	0
Drug Offenses	0	4	0
Illegal Weapons Offenses	0	0	0

**Campus Sex Crimes Prevention Act Notice**

Pursuant to Sections 775.21, 943.0435, and 944.607, Florida Statutes requiring notification to institutions of higher education if a sexual predator or sexual offender is enrolled or carrying on a vocation at an institution of higher education in this state, the Florida Department of Corrections will notify such institution. Information regarding such offenders attending Gulf Coast State College may be obtained in the Office of the Dean of Student Life or accessed online at [www.fdle.state.fl.us](http://www.fdle.state.fl.us).

**Drug Free Campus**

In compliance with the Drug Free Schools and Communities Act Amendment of 1989, Gulf Coast State College:

- Prohibits the unlawful possession, use, or distribution of illicit drugs and alcohol by all students and employees
- Enforces sanctions, including those applicable under local, state, and federal law, for unlawful possession, use, or distribution of illicit drugs and alcohol, including but not limited to suspension, expulsion, termination of employment, and referral for prosecution which may result in arrest, appropriate fines, and imprisonment
- Believes that there are many detrimental health risks associated with the use of illicit drugs and the abuse of alcohol, including but not limited to psychological and physical addiction, insomnia, disorientation, depression, hallucinations,

hypertension, increased anxiety and paranoia, damage to unborn fetuses, convulsions, cancer, psychosis, respiratory failure, brain damage, and death

- Encourages anyone with a drug or alcohol problem to seek help at one of the local agencies which include but are not limited to the following:

Alcoholics Anonymous	784-7431
Chemical Addictions Recovery Effort, Inc.	872-7676
Life Management Center of Northwest Florida	769-9481

More information may be obtained in the Counseling Center located on the first floor of the Student Union East.

**Student Government Association**

The Student Government Association (SGA) serves as the student governance group on campus. The SGA actively seeks to represent the needs and concerns of the students to the College administration. Needs or concerns of a legislative nature are presented through the Florida College System Student Government Association (FCSSGA), a statewide organization representing and involving all of Florida's state and community colleges. The purpose of the SGA is to develop student leadership and to contribute to the total life of the College. Through a number of standing and ad hoc committees, the SGA coordinates, encourages, and promotes participation in extracurricular and co-curricular activities. Application criteria for membership in SGA are available in the student government office in the Student Union East.

**Athletics and Recreation**

Gulf Coast State College has a highly successful intercollegiate athletic program. The Gulf Coast State College Commodores compete in the Florida Community College Activities Association, Panhandle Conference, in men's basketball, women's basketball, men's baseball, women's softball, and women's volleyball. Gulf Coast's athletic teams have consistently been competitive and highly ranked regionally, statewide, and nationally.

An intramural/extramural program is available for all interested students. Contact the Office of Student Activities for program listings. Open hours are available for fitness swim and the use of the weight room. Information can be obtained from the director of wellness and athletics.

## Cultural Occasions

Plays, lectures, concerts, art shows, and other forms of entertainment or enrichment are brought to the campus and community by the Division of Visual and Performing Arts. These special programs, designed to enhance the cultural life of the campus community, are financed through student activity funds, the sale of tickets, administrative allocations, and the support of the Gulf Coast State College Foundation, Inc. A variety of programs sponsored by the Division of Visual and Performing Arts serve as an integral part of the community's cultural life. All Gulf Coast State College students are encouraged to participate in plays, musicals, choral and band organizations, and art activities.

## Campus Organizations

GCSC students have the opportunity to become a member of various campus clubs and organizations and enhance their educational journey. These groups contribute to the total college experience and range from religious organizations, to service organizations to career and academically-oriented organizations. All campus groups must be approved by the Student Activities Board and Student Support Division, following the procedure outlined in the *Student Handbook* under the section "Organizing Clubs."

## Public Radio Stations

The WKGC-FM/AM stations are broadcast services of Gulf Coast State College to residents of the Emerald Coast. WKGC-FM is a 100,000-watt American Public Media/BBC affiliate and operates as a public radio station, serving the community with news, information and entertainment. WKGC-AM is an entertainment service to the community, providing the area with classic jazz and popular standards music. WKGC's mission is to serve audiences with distinctive programming that provides information, insights, and cultural experiences essential to understanding a diverse, independent world. The stations serve to promote arts, culture, and civic involvement and the exchange of ideas. WKGC-FM/AM also serves as academic laboratories to GCSC students who want to learn about opportunities and careers in communications.

## ACADEMIC POLICIES

### Student Classification

Students will be classified in accordance with the following criteria:

**Degree seeking:** Students enrolled in credit courses that have provided the Office of Enrollment Services with all the required admission credentials and have been accepted into their declared programs.

**Freshman:** Students enrolled in college credit courses that have completed 29 or less credit hours of college work.

**Sophomore:** Students enrolled in college credit courses that have completed 30 or more credit hours of college work.

**Junior:** Students enrolled in college credit courses that have completed 60 or more credit hours **and** are enrolled in a Bachelor's level program.

**Senior:** Students enrolled in college credit courses that have completed 90 or more credit hours **and** are enrolled in a Bachelor's level program

**Unclassified:** Students who have enrolled but have not declared a program such as dual enrollment or transient students and those who seek teacher recertification or personal enrichment.

**Full-time:** Students registered for 12 or more credit hours in a fall, spring, or summer term.

**Part-time:** Students registered for fewer than 12 credit hours in a fall, spring, or summer term.

It should be noted that students receiving benefits from another agency (such as the Veterans Administration) are subject to that agency's definition of these terms.

### Graduation Recognition

Recognition will be given at graduation to students who have attained outstanding academic achievement with the following designations:

With Honors	(cum laude)	3.50-3.69 grade point average
With High Honor	(magna cum laude)	3.70-3.89 grade point average
With Highest Honor	(summa cum laude)	3.90-4.00 grade point average

### Semester Recognition

Recognition will be communicated each semester for those students who have attained outstanding semester academic achievement with the following designations:

The President's List shall include those degree-seeking students who have earned 12 or more college credit hours within a semester and a semester grade point average of 3.90-4.0.

The Dean's List shall include those degree-seeking students who have earned 12 or more college credit hours within a semester and a semester grade point average of 3.70-3.89.

The Honors List shall include those degree-seeking students who have earned 12 or more college credit hours within a semester and a semester grade point average of 3.00-3.69.

The Honors List also shall include those degree-seeking part-time students (enrolled in 6-11 college credit hours) who have earned 6 or more college credit hours within a semester and a grade point average of 3.00 and above.

### **Fines**

Students cannot register for courses until all fees and fines have been paid.

### **Academic Integrity**

Honest participation in academic endeavors fosters an environment in which optimal learning can take place and is consistent with the College's mission. Academic misconduct, including cheating and plagiarism, is destructive to the spirit of an educational environment and therefore cannot be condoned. See the Student Handbook for detailed policy information.

### **Grades**

Each faculty member will explain the grading system employed in each course. Students are responsible for obtaining a clear understanding of this process. Final grades are available the week after the end of each term. Students may access grades on-line through myGCSC, Lighthouse at <https://www.gulfcoast.edu>.

A	Excellent - 4 quality points/credit hour
B	Good - 3 quality points/credit hour
C	Average - 2 quality points/credit hour
D	Poor - 1 quality points/credit hour

F	Failure - 0 quality points-credit hour
I	Incomplete - An "I" becomes an "F" within 30 calendar days from end of the term
IP	Course is currently in progress
NS	No Show
RNS	No Show, Remedial
NSF	No Show, Failing
RNSF	No Show, Remedial Failing
P	Passing - 0 quality points-credit hours
S/U	Satisfactory/Unsatisfactory - 0 quality points/credit hour S/U grades are used for non-credit courses for which CEUs are not awarded.
R	Remedial Grade Mode
RW1	Student Withdrawal, Remedial— <b>See Withdrawals</b>
RW2	Instructor Withdrawal, Remedial— <b>See Withdrawals</b>
RW3	Administrative Withdrawal, Remedial— <b>See Withdrawals</b>
W1	Student Withdrawal— <b>See Withdrawals</b>
W2	Instructor Withdrawal— <b>See Withdrawals</b>
W3	Administrative Withdrawal - <b>See Withdrawals</b>
X	Audit - Audits <b>must</b> be declared before the end of the drop/add period and cannot be changed to credit
Z	External Credit

### **How to Compute Grade Point Average (GPA)**

The student's GPA is used in determining academic standing, graduation readiness, eligibility and other academically related decisions.

Each letter grade has a quality point value on the Grading System/Quality Point Scale. A student may determine the grade points for his/her grade in each course by multiplying the number of quality points a grade is worth times the number of semester hours the course carries.

A = 4 quality points, B = 3 quality points, C = 2 quality points, D = 1 quality point, and F and P = 0 quality point

The cumulative grade point average is determined by dividing the total quality points earned by the total semester hours for GPA (including transfer work). Grade quality points are awarded as follows:

Courses	GPA Hours	Grades	Quality Points
ENC1101	3	A	12
MAC1105	3	C	6
SYG2000	3	F	0
SPN1120	4	B	12
EUH1000	3	D	3
EGS1002	1	B	3

Total hours for GPA is 17. Total Quality Points Earned is 36.

17 hours for GPA divided into 36 quality points earned = 2.11 GPA.

Grades of S, P, NS, R, W, and X do not carry grade quality points. In general, credits for these grades do not count.

### Grade Change

All grade changes must be initiated by the instructor and approved by the appropriate division chair and the vice president of academic affairs. All grade changes must be made within 30 days of the close of each term. Exceptions for extenuating circumstances must be approved by the vice president of academic affairs.

### Grade Forgiveness

Students may repeat a course when a grade of "D" or "F" has been earned. Only the final grade received in courses repeated by the student shall be used in computing the grade point average. However, universities may count forgiven grades in calculating the grade point average. Forgiven grades may also be calculated in determining financial aid eligibility.

### Excess Hours Advisory Statement

Section 1009.286, Florida Statutes, establishes an "excess hour" surcharge for a student seeking a baccalaureate degree at a state university. It is critical that students, including those entering Florida colleges, are aware of the potential for additional course fees. "Excess hours" are defined as hours that go beyond 120% of the hours required for a baccalaureate degree program. For example, if the length of the program is 120 credit hours, the student may be subject to an excess hour surcharge for any credits attempted beyond 144 credit hours (120 x 120%).

All 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. Florida college students intending to transfer to a state university should identify a major or "transfer program" early and be advised of admission requirements for that program, including the approved common prerequisites. Course withdrawals and/or repeats, as well as enrollment in courses non-essential to the intended major, may contribute to a potential excess hours surcharge.

### Attendance

Regular class attendance and participation are significant factors that help to promote success in college. Students are expected to attend all class meetings of all courses for which they are registered. You are expected to know the instructor's specific attendance policy, as stated in the syllabus for each course. In the event of absence, you should contact your instructor as soon as possible to indicate the reason and to inquire whether make-up work is possible. (Make-up work is offered solely at the discretion of your professor.)

If your absences in a class become excessive, as stated in the course syllabus, your professor may contact you, indicating that further absence may result in your withdrawal from the course. (See entry on Withdrawal in this catalog section.) Your professor can withdraw you from a course for excessive absences without your permission.

Instructors will monitor attendance at the beginning of each semester. If you are not in attendance during this period, you may be withdrawn from the course. You will be financially responsible for the course and a "W or NS" will appear on your transcript. Withdrawal from a course may also have implications for financial aid.

### Change of Name, Address, or Degree Program

A student should update any change of personal email, phone number, address or emergency contact by going to <https://www.gulfcoast.edu> and click on myGCSC and then My Personal Information. This change is effective immediately. If you would like to change your degree program, submit documentation for residency, or update your last name, please go to <https://www.gulfcoast.edu> and click on Menu and then Admission Forms. It is important to keep the College informed as to contact information so that important information will be received by the student.

## Attempts of Academic Courses

**Third Attempts.** This policy applies to college-level and college preparatory courses taken for the first time beginning with fall 1997 semester. Only Gulf Coast State College (GCSC) courses are counted in attempts. Repeatable courses, audited courses, courses required to be repeated by a regulatory agency, or courses being repeated as part of a regulatory requirement for continuing education to stay current in a field, such as teacher certification, will not be applied to this policy.

A student must meet with an academic advisor, navigator or a member of the Counseling Center to register for a third attempt course. A student is assessed the full cost of instruction for the third attempt course (equivalent to out-of-state tuition).

A student may request a waiver for the additional cost of the course by submitting the Third Attempt Waiver form on the Counseling Center website.

Waivers may be granted based on, but not limited to, the following

- Eligible for PELL Grant
- Eligible for other Financial Aid Options
- Currently using VA Educational Benefits
- Currently receiving unemployment benefits
- Currently receiving social service benefits based on income
- Other extenuating circumstances that occurred during the semester in which the course was taken

Documentation is required for all waivers.

Courses taken for a third time with GCSC will receive a letter grade (“A”, “B”, “C”, “D”, “F”). Withdrawing from a third attempt course is not allowed. No-Show (NS) grades will show as NSF and will be calculated in the GPA as an “F” grade.

**Fourth Attempts.** This policy applies to college-level and college preparatory courses taken for the first time beginning with fall 1997 semester. Only Gulf Coast State College courses are counted in attempts. Repeatable courses, audited courses, courses required to be repeated by a regulatory agency, or courses being repeated as part of a regulatory requirement for continuing education to stay current in a field, such as teacher certification, will not be applied to this policy.

A student may appeal to take a course at GCSC for the fourth time who has withdrawn or failed due to extenuating circumstances. Courses completed with a “D” grade may be appealed for a fourth attempt if the course is a pre-requisite course or required to have a

“C” or better for a student’s major and the “D” grade was due to extenuating circumstances. An appeal may be granted only once for each course. No more than four attempts of a course are allowed by The State of Florida.

A student may request an appeal for a fourth attempt by contacting the Dean of Student Engagement – Student Affairs.

### Other Attempts.

- A student may repeat a course with a “D”, “F”, or “W” grade. (See third and fourth attempts if needed.)
- A student may request an appeal through the Enrollment Services Office to retake a course completed with an “A”, “B”, or “C” grade. Example: The student’s major requires a grade of “B” or higher in the course and the student completed the course with a “C” grade.

Students who have successfully completed a college preparatory course with a “C” or better grade may request, through the appeals process, to audit the same preparatory course. Students will be allowed to audit the course only once.

### Withdrawals

Two withdrawals are permitted per credit course. After that, a grade will be assigned. Please be concerned about withdrawals. When admitting students into certain programs, universities may calculate withdrawals as grades. It is your responsibility to verify the effects of enrollment and/or withdrawal upon your financial assistance (financial aid, scholarships, grants, etc.). There are three kinds of withdrawals---student, faculty and administrative.

- Student Withdrawal (W1) - Students wishing to withdraw must complete the online Student Withdrawal Form before the scheduled withdrawal deadline as published in the College catalog. Student withdrawals initiated prior to the scheduled withdrawal deadline will be recorded as a grade of “W.” The withdrawal deadline for an off-term or condensed term is one week after midterm
- Faculty Withdrawal (W2) – A faculty member may withdraw a student up to the published withdrawal deadline for violation of the class attendance policy in which case the student will receive a grade of “W.” The withdrawal deadline for an off-term or condensed term is one week after midterm

- Administrative Withdrawal (W3) - A student who wishes to request a withdrawal after the published withdrawal deadline must pursue such request in writing to the Dean of Student Engagement. A request for withdrawal after the published deadline date may be granted due to extenuating circumstances beyond the student's control that prevent the successful completion of the course. Such circumstances include:
  - Involuntary call to military duty,
  - Illness of the student, or
  - Illness or death of a member of the student's immediate family.

Students cannot withdraw from developmental studies courses (college-preparatory classes) after the drop/add period without written permission from their instructor and/or their academic advisor.

### Graduation Procedures

Gulf Coast State College does not auto graduate students upon program completion. The graduation process must be initiated by the student and is independent of participation in the ceremony. Graduates must:

1. Fulfill academic program requirements for degree to include a minimum 25 percent of credit successfully completed at GCSC. The catalog under which a student graduates cannot be older than five years
2. Earn a 2.00 grade point average on all GCSC courses attempted
3. Earn a cumulative 2.00 grade point average (including transfer credit)
4. Submit a graduation application to the Office of Enrollment Services by the published deadline regardless of ceremony participation. Students graduating in the summer or fall semesters who want to participate in the spring ceremony must apply for graduation by the preceding spring deadline date. See the academic calendar for specific deadline dates
5. If you have questions regarding your graduation eligibility, contact the Graduation Specialist in Enrollment Services (AA students) or your program advisor (Certificates, AS, BAS and BSN)
6. Fulfill all financial obligations to the College

### Maximum Course Load

The maximum load for a student is 18 hours for the fall and spring semesters without written permission of the advisor. Students with a "B" average and written permission of their advisors may carry up to 21 hours.

The maximum load for the average student for each summer term is seven hours. A student who has a "B" average may carry nine hours. Written permission of the vice president of academic affairs is required for a student to register for more than 21 hours in the fall or spring or more than 18 hours in the summer session.

### Transcripts

The Family Educational Rights and Privacy Act (FERPA) prohibits the release of academic records without the student's consent. Gulf Coast State College works in partnership with National Student Clearing House to process outgoing transcript requests. This allows the student to choose how the transcript will be sent, either electronically in a secured format or mailed through the USPS. The transcript fee is dependent on the mode of choice.

To request an official transcript, you can access your Lighthouse account to complete the transcript order online. Students who do not know their GCSC student ID or cannot access their Lighthouse account can order their transcripts at [www.studentclearinghouse.org](http://www.studentclearinghouse.org). Current students or those planning to graduate at the end of the term, be sure to select "Hold for Grades" or "Hold for Degree" to ensure the transcript sent is complete. When the campus is closed, all transcript orders that need to be handled through the USPS will be mailed on the first business day after we reopen. Transcript orders that are handled electronically will be sent automatically 24/7 all year.

Transcripts cannot be e-mailed or faxed by the College to the student, individuals, or other institutions. Gulf Coast State College reserves the right to place a hold on a student's record that will prevent official transcripts from being processed if the student has an outstanding financial obligation. Transcripts ordered where a hold is in place, will be cancelled and the student will not be charged. The student will receive a notification stating why the transcript was cancelled. When all obligations are satisfied, it is the student's responsibility to resubmit a new order for the transcript.

### Student Records

All permanent, official, and final student records are maintained in an electronic format. On a periodic basis throughout an academic year, the College is required by state and federal regulations to submit academic data to the Northwest Regional Data Center.

### Non-Traditional Credit

Up to 45 hours of nontraditional credit (i.e., CLEP, AP, IB, AICE, and prior training/certification) may be applied toward a degree. Duplicate credit will not be awarded. Credits earned will not be included on the official Gulf Coast State College transcript until the student has successfully completed 15 credit hours. For more information visit:

<https://www.gulfcoast.edu/academics/academic-support-tutoring/testing/credit-by-exam/index.html>.

### College Level Examination Program (CLEP)

Students may receive CLEP credit for up to 30 credit hours. Information on credit awarded for subject matter exams is available from the transcript coordinator in the Office of Enrollment Services and online at the GCSC website (<https://www.gulfcoast.edu>) (under *Admissions, Testing Services* and click on the **Credit By Exam** option.

The College accepts CLEP credit as follows:

- Transcripts from a Florida public college/university
- Official CLEP test score

### Excelsior College Mobility Examinations

Students applying for the RN program with appropriate scores and LPN licenses may receive credit. Contact the Health Sciences Division for additional information.

### Cambridge AICE (AICE)

A list of courses and credits awarded for each examination is available from the transcript coordinator in the Office of Enrollment Services and online at the College website (<https://www.gulfcoast.edu>) under *Admissions, Testing Services* and click on the **Credit By Exam** option.

### Advanced Placement (AP)

Scores of 5, 4, and 3 may be accepted for credit. Students must submit official AP scores to the Office of Enrollment Services. Information on credit awarded for subject matters exams is available from the transcript coordinator in the Office of Enrollment Services and online at the College website (<https://www.gulfcoast.edu>) under *Admissions, Testing Services* and click on the **Credit By Exam** option.

### International Baccalaureate (IB)

A list of courses and credits awarded for each examination is available from the transcript coordinator in the Office of Enrollment Services and online at the College website(<https://www.gulfcoast.edu>) under *Admissions, Testing Services* and click on the **Credit By Exam** option.

- Students who have received an IB Diploma may be awarded up to 30 semester credits
- Information on credit awarded for students without an IB Diploma is available from the transcript coordinator in the Office of Enrollment Services

### Early Completion by Examination

Students may request permission to challenge a course in which they are enrolled by taking a proficiency examination. Students passing the proficiency examination will be excused from further class attendance.

### Military Credit, Prior Training, and Experience

GCSC uses the Articulation Coordinating Committee's (ACC) Military Experience Equivalency List for award of military credit, prior training, and experience. Students seeking credit are required to submit official transcripts of military credit, prior training, and experience for consideration. Credit will be accepted when it applies to a degree and when it is comparable in content and credit value to a GCSC course. Upon receipt of official copies of military credit, prior training, and experience credit, an evaluation package is prepared for the Chairperson of the discipline for final approval. Prior training and experience are reviewed by the relevant department chairperson for equivalency and must be applicable to the student's current program of study. Students with documented training certificates may be awarded credit if the training meets the academic standards and is relevant to the College's instructional program. For those with prior experience, credit may be awarded based on successful completion of the final exam for the course in which the student is seeking credit. Appropriate documentation supporting evidence of credit must be submitted to Enrollment Services for processing.

Credit can only be awarded/applied for military credit, prior training, and experiences that meet the student's current program of study and has a GCSC equivalent. Students can request a subsequent evaluation of these records if his or her program of study changes. Requests should be placed in the Office of Enrollment

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Services. Information on credit awarded for subject matters exams (DANTES) is available from the transcript coordinator in the Office of Enrollment Services.

### **Servicemembers Opportunity College (SOC)**

The American Association of Community Colleges has designated Gulf Coast State College as a Servicemen's Opportunity College (SOC). Under this agreement, GCSC recognizes that service members and their dependents should not be penalized for attending multiple academic institutions due to their military contribution. Students may complete degree requirements at other accredited colleges as a transient student and transfer those credits to GCSC as part of the degree requirements. For information on how to become a transient student see page 15. Students who participate in SOC are still required to satisfy the Gulf Coast residency requirement by completing 25 percent of the degree program at GCSC. For more information, please call (850) 913-3291.

### **Academic Standing**

To maintain satisfactory academic progress at Gulf Coast State College, a student must achieve a minimum OVERALL grade point average (GPA) of 2.0. This is considered **Good Academic Standing**.

**Academic Warning.** Students whose **TERM OVERALL** GPA is below 2.0 will be placed on academic warning. To be removed from an academic warning at the end of the following term, the student must achieve a minimum **TERM OVERALL** GPA of 2.0. Academic warning is the College's notification that the student should seek assistance from the Navigation Center or Counseling Center to assist in developing an educational plan.

**Academic Probation.** Students who have not earned an OVERALL GPA of 2.0 at the end of the term will be placed on academic probation for the next term. Students will be limited to six (6) credit hours. To request additional hours, the student must submit the Academic Probation Form on the Counseling Center website. The student may also speak with a member of the Counseling Center on the first floor of the Student Union East.

**Academic Suspension.** Students who have been placed on academic probation and have not earned a minimum OVERALL GPA of 2.0 during their probation term, will be placed on academic suspension for the following term.

Students placed on academic suspension will not be allowed to register for the following term. Students

have the right, and are encouraged, to appeal academic suspension. To appeal, a student must complete the Academic Suspension Appeal Form on the Counseling Center website. The student may also speak with the Counselor in the Counseling Center on the first floor of the Student Union East. The Counselor will schedule an appeal meeting with the student to determine eligibility to return to Gulf Coast State College.

A student returns to **Good Academic Standing** when the student achieves an OVERALL GPA of 2.0.

## Bachelor of Science Degree Programs

Gulf Coast State College offers Bachelor's Degree programs in the following areas:

### The Bachelor of Applied Science (B.A.S.) Degree

The Bachelor of Applied Science (B.A.S.) degree is a baccalaureate degree designed to prepare students to enhance and/or advance their career. B.A.S. programs provide baccalaureate degree completion opportunities for students from a variety of educational backgrounds but primarily those with Associate in Science or Associate in Applied Science degrees or their equivalent. B.A.S. degree programs typically include capstone experiences that provide opportunities for students to demonstrate the application of acquired knowledge, skills, and competencies. The B.A.S. degree is awarded upon the completion of the course requirements in the Digital Media, Organizational Management, or Technology Management programs.

### The Bachelor of Science in Nursing (B.S.N.) Degree

The Bachelor of Science in Nursing program is an RN-BSN completion program that builds from associate in science degree coursework, allowing an RN with an associate's degree in nursing to earn a Bachelor of Science degree with a major in nursing. (Students with a diploma in Nursing will be evaluated individually after application to the College.) The program is competitive and limited.

### Graduation Requirements for the Bachelor Degrees

To receive a bachelor's degree, students must:

1. Satisfy the requirements for the chosen major;
2. Successfully complete requirements for graduation under the catalog in force at the time of entry into the program or re-entry into the program;
3. Successfully complete a minimum of 120 semester hours with at least a "C" average (2.0 GPA) for an all college cumulative grade point average that includes Gulf Coast State College and transferred credits in lower and upper division courses;
4. Successfully complete a minimum of 30 of their last 36 hours in regular courses at Gulf Coast State College;

5. Apply no more than 45 semester hours in any combination of extension, correspondence, CLEP, University Credit by Examination and Armed Forces credits toward an undergraduate degree;
6. Satisfy Gulf Coast State College's General Education Requirements;
7. Satisfy the Foreign Language requirement. Students may fulfill the requirement in any of the following manners:
  - a. Students may complete eight semester hours of the same foreign language.
  - b. Students may successfully complete two sequential high school credits in one foreign language as listed in status 1007.262 and DOE Board Rule 6A.10.02412. The student is responsible for requesting an official high school transcript to be sent to the Office of Enrollment Services for evaluation.
  - c. Students may submit an English translated high school course-by-course transcript from a country of origin; exits test scores or certificates not acceptable.
    1. Students must have an English translation performed, at students' expense, by a member of the National Association of Credential Evaluation Services (NACES). Examples of acceptable services are Josef Silny & Associates and World Education Services.
  - d. Students may also achieve appropriate College Level Examination Program (CLEP) level one and two scores in French, German, and Spanish.
8. Meet civics literacy requirements by passing either AMH2020 or POS2041 and passing the Florida Civics Literacy Examination (FCLE). Students may also demonstrate competency through completion of AP Government and Politics: United States, AP United States History, or CLEP: American Government examination. AICE: U.S. History (1840 – 1990) meets the civics literacy course requirement only. Students receiving course credit for this exam will be required to pass the FCLE. High school students who take the U.S. Government course and pass the FCLE will have met the postsecondary civic literacy assessment requirement. Students who have previously achieved a passing score on an approved assessment or passed an approved course will have met the assessment requirement or coursework requirement, respectively, and will not be required to re-take the assessments or courses.
9. Submit an application for graduation as outlined in the Graduation Procedures section of this catalog; and;
10. Fulfill all financial obligations to the college.

Students can go back up to five catalog years as long as there was no break in enrollment (defined as missing a fall

•General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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or spring semester). If there was a break in enrollment, the student will complete requirements for graduation under the catalog in force at the time of re-entry.

### Bachelor of Applied Science in Digital Media Program of Study (DIMA-BAS/DIGM-BAS)

Program Goal: The Bachelor of Applied Science in Digital Media undergraduate degree program is designed to prepare graduates with the requisite knowledge, skills, and values to effectively apply various business principles and tools in an organizational setting. The BAS-DM is a program designed to balance theory and concepts with practical application and tools. The program of study will include areas such as digital media, simulations, and web-based technology. The interdisciplinary approach to this degree allows students to integrate courses from several specialized areas in computing. Graduates of this program will be prepared for a variety of entry and mid-level technical and management positions within the digital media, web technology, and computing industries.

**BAS Total Degree Credits, (120 crs.)**

- General Education, (36 crs.)
- Credits from AS/AA, (42 crs.)
- Upper Division, (42 crs.)

**General Education Requirements**

\*The General Education Requirements are outlined on page 59. All students must have a total of 36 credits of General Education courses for the B.A.S. degree. Most students entering the program will need an additional 21 general education credits. The specific courses needed will vary among students. Please contact a B.A.S. advisor for assistance.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3

●General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>AA or AS Technical Requirements (42credits)</b>		
	CGS1103, Project Management Concept and Processes	3
	CGS2069, Social Media Marketing	3
	DIG2100, Web Design I	3
	DIG2251, Sound for Digital Media	3
	DIG2200, Digital Video Fundamentals	3
	+DIG2151, Writing for Media	3
	DIG2430, Digital Story Development	3
	GRA2156, Graphic Design I	3
	Electives	18
<b>Digital Media Foundation/ Core Courses (27 credits)</b>		
	GEB3213, Business Communications for Professional Effectiveness	3
	+CGS3092, Legal and Ethical Issues in Information Technology	3
	+ISM4318, Agile Project Management	3
	+DIG3543, Media Planning	3
	+DIG4433, Visual Development	3
	+DIG4153, Writing for Digital Media	3
	+DIG4564, Content Management Systems	3
	+DIG3588, Digital Capstone	3
	DIG3811, User-Centered Design	3

<b>Digital Production Specialization (15 credits) (DM2)</b>		
	+DIG3525, Digital Production Studio I	3
	+DIG3526, Digital Production Studio II	3
	+DIG3553, Interactive Media Design	3
	+DIG3343, Broadcast Graphics I	3
	+DIG3451, Visual Storytelling	3
<b>TOTAL DEGREE HOURS</b>		<b>120</b>

Additional graduation requirements: Students must have fulfilled the requirement for the chosen major, earned a minimum of 25 percent of the total hours required for the degree in residence at Gulf Coast State College, fulfill the College Level Communication and Computational Skills Assessment requirements according to Florida Rule 6A-10.030, demonstrate foreign language competence, and be registered at Gulf Coast State College during the semester of graduation.

<b>Communications Area</b>		<b>Credit Hours</b>
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3

●General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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Government	See General Education Requirement	3
<b>AA or AS Technical Requirements (42 credits)</b>		
	CGS1103, Project Management Concept and Processes	3
	CGS2069, Social Media Marketing	3
	COP1000, Introduction to Programming Logic	3
	COP2700, Data Structures (SQL)	3
	+COP2840, Internet Programming	3
	DIG2100, Web Design I	3
	+DIG2151, Writing for Media	3
	GRA2156, Graphics Design I	3
	Electives	18
<b>Digital Media Foundation/ Core Courses (27 credits)</b>		
	GEB3213, Business Communications for Professional Effectiveness	3
	+CGS3092, Legal and Ethical Issues in Information Technology	3
	+ISM4318, Agile Project Management	3
	+DIG3543, Media Planning	3
	+DIG4433, Visual Development	3
	DIG4153, Writing for Digital Media	3
	+DIG4564, Content Management Systems	3
	DIG3811, User-Centered Design	3
	+DIG3588, Digital Capstone	3
<b>Web Development Specialization (15 credits) (DM1)</b>		
	+COP3834, Developing Websites using PHP w/MySQL	3
	+COP3855, Advanced Web Animation (JQUERY)	3

	+ISM4548, Web Analytics	3
	+DIG3512, Digital Optimization and Analytics	3
	+DIG3716, Interface Design	3
<b>TOTAL DEGREE HOURS</b>		120

Additional graduation requirements: Students must have fulfilled the requirement for the chosen major, earned a minimum of 25 percent of the total hours required for the degree in residence at Gulf Coast State College, fulfill the College Level Communication and Computational Skills Assessment requirements according to Florida Rule 6A-10.030, demonstrate foreign language competence, and be registered at Gulf Coast State College during the semester of graduation.

•General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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## Bachelor of Applied Science in Organizational Management Program of Study (ORGA-BAS/ORGM-BAS)

The Bachelor of Applied Science in Organizational Management at Gulf Coast State College is designed to prepare students to become effective leaders within organizations and society. The program offers two areas of specialization, Entrepreneurship and Health Services Administration. Both of these specializations will prepare graduates for upper managerial positions in business, health care, and other related careers.

The B.A.S. in Organizational Management is specifically designed for people who want to advance to higher level supervisory/leadership positions. The program is intended to serve those currently in the workforce who need a baccalaureate degree to advance their career opportunities. Upper-level coursework will include study of applied management practices with a concentration in the student's technical field, and will contain hands-on application of management principles and practices through internships and capstone experiences.

Program graduates will be able to initiate and respond to change through leadership, teamwork and organizational effectiveness skills. Additionally, their critical thinking, problem-solving and decision-making skills will enable them to view situations from new perspectives in order to find new solutions.

The Bachelor of Applied Science in Organization Management program is a 120-credit hour program which provides a 24-credit hour core concentration in Management, augmented by an 18-credit hour concentration in one of two specializations. Admissions requirements include the completion of an associate's degree program from an accredited school or college, and documentation of a GPA of 2.00 or higher in all college credit courses. As detailed below, the program requires completion of a total of 120 credit hours: 42 hours in associate's degree transfer credits, 36 hours in General Education, 24 hours in the Organizational Management program core, and 18 hours in the student's chosen concentration.

### Admission Requirements:

1. Completion of Application for General Admission to GCSC
2. Submission of all official transcripts by established deadline

3. Submission of official transcripts from college(s) currently or previously attended. Transcripts must indicate completion of an A.S. or A.A. degree of at least sixty (60) credits from a regionally accredited institution.
4. Completion of a minimum of fifteen (15) semester hours of transferrable general education coursework
5. Documentation of a Grade Point Average (GPA) of 2.00 or higher in all postsecondary coursework
6. Completion of the standard Florida foreign language upper division admission requirement. If at the time of admission, the student has not completed two consecutive years of the same foreign language in high school or eight credits in college, the student must complete eight credits of foreign language before completing the program.
7. Completion of entrance form to the program manager

Students pursuing the ORGM-BAS degree must take coursework at FSU-PC as a transient student. This requires submission of the following documents:

1. Transient Student Application to FSU-PC
2. FSU Student Health History Form to FSU-PC
3. Consortium Agreement to Gulf Coast State College. Complete host school information before submitting to GCSC Enrollment Services. Note: you must include a copy of your schedule and fee receipts in your submission to GCSC.
4. Bachelors of Applied Science Transient Student Authorization Form

### BAS Total Degree Credits, (120 crs.)

General Education, (36 crs.)  
Credits from AS/AA, (42 crs.)  
Upper Division, (42 crs.)

### General Education Requirements

\*The General Education Requirements are outlined on page 59. All students must have a total of 36 credits of General Education courses for the B.A.S. degree. Most students entering the program will need an additional 21 general education credits. The specific courses needed will vary among students. Please contact a B.A.S advisor for assistance.

<b>Communications Area</b>	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3

•General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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Literature	+*See General Education	3		+MAN4520, Quality Management (Six Sigma)	3
<b>Mathematics Area</b>	•+*See General Education Requirement	3		+MAN4301, Human Resource Management	3
	•+*MAC1105, College Algebra or •+*STA2023, Statistics	3		MAR3802, Entrepreneurial Marketing	3
<b>Natural Sciences Area</b>				+FIN4470, Entrepreneurial Finance	3
Physical Science	See General Education Requirement	3		+MAN4900, Capstone	3
Biological Science	See General Education Requirement	3		<b>SPECIALIZATION IN HEALTH SERVICES ADMINISTRATION (18 credits) (OR3)</b>	3
<b>Social Sciences Area</b>				HSA3113, Current Trends/Contemporary Issues in Healthcare	3
Behavioral Sciences	See General Education Requirement	3		HSA3700, Foundations of Research in Healthcare	3
History	See General Education Requirement	3		HSA4110, Healthcare Organization and Management	3
Government	See General Education Requirement	3		HSA4160, Strategic Planning and Marketing for Healthcare	3
<b>Organizational Management Core Courses</b>				+HSA4850, Capstone	3
	+BUL3310, Legal Environments of Business (FSU)	3		<b>TOTAL DEGREEE HOURS</b>	120
	+GEB3213, Business Communication for Professional Effectiveness	3			
	FIN3400, Financial Management	3			
	MAN3240, Applied Organizational Behavior	3			
	+MAN3303, Principles of Management and Leadership	3			
	MAN3503, Management Risk Analysis and Decision-Making	3			
	+MAN4280, Leadership and Change Management or +MAN4143, Contemporary Leadership Challenges (FSU)	3			
	MAN4301, Human Resource Management	3			
Specialization Areas (Choose one):					
<b>SPECIALIZATION IN CORPORATE ENTREPRENEURSHIP (18 credits) (OR1)</b>	ENT3003, Principles of Corporate Entrepreneurship	3			
	MAR4413, Entrepreneurial Selling	3			

Additional graduation requirements: Students must have fulfilled the requirement for the chosen major, earned a minimum of 25 percent of the total hours required for the degree in residence at Gulf Coast State College, fulfill the College Level Communication and Computational Skills Assessment requirements according to Florida Rule 6A-10.030, demonstrate foreign language competence, and be registered at Gulf Coast State College during the semester of graduation.

•General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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**Bachelor of Applied Science in Technology Management Program of Study (TMA-BAS/TM-BAS)**

Program Goal: The Technology Management Bachelors of Science (BAS) program is designed to building upon an associate’s degree in Software and Database Development, Network Administration, Cybersecurity, or Computer Programming. However, this degree is open to any student with an associate’s degree, seeking to expand their technology and leadership skills. This degree completion prepares you to move into a supervisory or management position.

**BAS Total Degree Credits, (120 crs.)**

General Education, (36 crs.)  
Credits from AS/AA, (30 crs.)  
Upper Division, (54 crs.)

**General Education Requirements**

All students must have a total of 36 credits of General Education courses for the B.A.S. degree. Most students entering the program will need an additional 21 general education credits. The specific courses needed will vary among students. Please contact a B.A.S advisor for assistance.

<b>Communications Area</b>	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*See General Education Requirement	3
	●+*MAC1105, College Algebra (or higher) or ●+*STA2023, Statistics	3
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3

<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>TECHNICAL AREA (30 credits)</b>		
	+CIS2321, Systems Analysis & Design	3
	*CTS1111, Linux+	3
	*CTS1650, Network Fundamentals	3
	COP2700, Data Structure (SQL)	3
	CGS1103, Project Management Concepts and Processes	3
	+*CTS2193, Cloud Essentials	3
	+*CTS1120, Computer and Network Security (Security+)	3
	COP1000, Introduction to Programming Logic	3
	DIG2100, Web Design I	3
	CGS1570, Microcomputer Applications	3
<b>TECHNOLOGY MANAGEMENT CORE COURSES (36 credits)</b>		
	+MAN3303, Principles of Management & Leadership	3
	+GEB3213, Business Communication for Professional Effectiveness	3
	+CGS3092, Legal and Ethical Issues in Information Technology	3
	FIN3400, Financial Management	3
	+ISM4318, Agile Project Management	3
	+ISM4548, Web Analytics	3
	+MAN4520, Quality Management (Six Sigma)	3
	+ISM4302, Emerging Technologies	3
	MAN3503, Managerial Risk Analysis and Decision Making	3
	+ISM3013, Introduction to Management Information Systems	3

●General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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	+ISM4330, Information Security Policy Administration and Management	3
	+ISM4881, Technology Management Capstone Project	3
<b>SPECIALIZATION IN SOFTWARE DEVELOPMENT (18 credits) (TMA3)</b>		
	+COP2250, Introduction to Java Programming	3
	+COP2701, Database Design and Management	3
	+COP2840, Internet Programming	3
	+COP4864, Client-Side Programming	3
	+CIS4433, SecDevOps	3
	+COP3834, Developing Websites Using PHP MySQL	3
<b>SPECIALIZATION IN CYBERSECURITY MANAGEMENT (18 credits) (TMA4)</b>		
	CTS1390, Installing and Configuring Windows Server	3
	+CIS2352, Ethical Hacking	3
	+CTS1651, Router Technology (Basic) CCNA	3
	+ISM4323, Network Security Management	3
	+CIS4200, Security Penetration Testing	3
	+CIS3122, Cybersecurity Analyst	3
<b>TOTAL DEGREE HOURS</b>		<b>120</b>

Additional graduation requirements: Students must have fulfilled the requirement for the chosen major, earned a minimum of 25 percent of the total hours required for the degree in residence at Gulf Coast State College, fulfill the College Level Communication and Computational Skills Assessment requirements according to Florida Rule 6A-10.030, demonstrate foreign language competence, and be registered at Gulf Coast State College during the semester of graduation.

## The Bachelor of Science Program

### Bachelor of Science in Nursing (RNBA-BSN/RNB-BSN)

The Bachelor of Science in Nursing is designed to prepare licensed nurses for evidence-based practice and leadership in an ever-changing health care environment. BSN Graduates will also have the opportunity to continue their education in a variety of specialty areas.

#### Admission Requirements:

- Completion of an associate degree program or diploma program in nursing from an accredited nursing school or college
- Completion of the GCSC baccalaureate degree application (new students) or change of program status (current students)
- Complete the nursing division application for RN-BSN
- Provide documentation of current RN licensure with no restrictions (current license must be active in the state in which clinical rotations are to be completed)
- Provide official high school, vocational school, and college transcripts
- Documentation of a grade point average (GPA) of 2.50 or higher in all college credit courses and a “C” or higher in all prerequisite courses applicable to the RN-BSN program
- Completion of the standard Florida foreign language upper division admission requirement. If, at the time of admission, the student has not completed two consecutive years of the same foreign language in high school or eight credits in college, the student must complete eight credits of the same foreign language before completion of the program

#### Requirements after Conditional Acceptance:

1. Satisfactory fingerprint / criminal background check
2. Copy of Valid CPR certification (either the American Heart Association Health Care Provider Life Support Course or the American Red Cross CPR for the Professional Rescuer is acceptable)
3. Completion of physical examination (with satisfactory results), including copy of immunization form
4. Satisfactory drug screening (may be required based upon the clinical agency requirements)
5. Current PPD or TB test or Declination with x-ray results

•General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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## The Associate in Arts Degree

The Associate in Arts (A.A.) degree is comprised of the freshman and sophomore years of a baccalaureate degree, also known as a four-year degree. The A.A. degree is specifically designed for the student who plans to transfer to a Florida public university.

The A.A. degree requires a minimum of 60 college-level credit hours. Thirty-six (36) credit hours are specified as the *general education* component of the degree and twenty-four (24) credit hours are referred to as *elective*. These elective courses may be utilized to satisfy specific university major requirements. Students who intend to pursue a specific major at the university should follow the **transfer track** that most closely aligns to the intended major at the university. Each transfer track details courses that are required for transfer to the specific major at the university. These courses are noted as **common prerequisite** courses and when completed successfully, enable the student to transfer to the university as a junior.

Completion of the A.A. degree guarantees admission to a state university but not necessarily admission to the specific program of study within the institution. Some university majors are known as *limited access* and may include additional requirements such as a minimum grade point average, an audition, submission of a portfolio, or completion of certain courses. Please consult a Gulf Coast academic advisor or access the Florida Virtual Campus at [www.flvc.org](http://www.flvc.org) for additional information.

Although the A.A. degree does not guarantee admission to a private and/or out-of-state institution, a student may consult an academic advisor for further assistance.

Beginning with fall 2014, all first-time-in-college students pursuing the Associate in Arts degree must demonstrate competency in a foreign language. This competency is ordinarily demonstrated through completion of two credits of sequential high school foreign language OR successful completion of two semesters of foreign language at the postsecondary level.

All A.A. students entering a Florida College system institution in Fall 2021 and thereafter, are required to meet civics literacy requirements by passing either AMH202 or POS2041 and passing the Florida Civics Literacy Examination (FCLE). Students may also demonstrate competency through completion of AP Government and Politics: United States, AP United States History, or CLEP: American Government examination. AICE: U.S. History (1840 – 1990) meets the civics literacy course requirement only. Students receiving course credit for this exam will be required to pass the FCLE. High school students who take the U.S. Government course

and pass the FCLE will have met the postsecondary civic literacy assessment requirement. Students who have previously achieved a passing score on an approved assessment or passed an approved course will have met the assessment requirement or coursework requirement, respectively, and will not be required to re-take the assessments or courses.

The general education curriculum coursework is intended to provide students with a foundation to communicate, to be a responsible member of the global community, to think critically, and to exhibit scientific and quantitative reasoning skills at a postsecondary level. Students will demonstrate learning in these areas as articulated in the following student learning outcomes.

### Communication:

*C-1: Students will demonstrate the ability to communicate effectively.*

*C-2: Students will demonstrate the ability to analyze communication critically.*

### Humanities:

*H-1: Students will confirm the ability to think critically through demonstrating interpretive ability and cultural literacy.*

*H-2: Students will acquire competence in reflecting critically upon the human condition.*

### Mathematics:

*M-1: Students will determine appropriate mathematical and computational models and methods in problem solving, and demonstrate an understanding of mathematical concepts.*

*M-2: Students will apply appropriate mathematical and computational models and methods in problem solving.*

### Natural Sciences:

*N-1: Students will demonstrate the ability to critically examine and evaluate scientific observation, hypothesis, or model construction, and to use the scientific method to explain the natural world.*

*N-2: Students will successfully recognize and comprehend fundamental concepts, principles, and processes about the natural world.*

### Social Sciences:

*S-1: Students will demonstrate the ability to examine behavioral, social, and cultural issues from a variety of points of view.*

*S-2: Students will demonstrate an understanding of basic social and behavioral science concepts and principles used in the analysis of behavioral, social, and cultural issues, past and present, local and global.*

• General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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**UNIVERSITY TRANSFER TRACKS**

General Associate in Arts  
 Accounting  
 Anthropology/Archaeology  
 Architecture  
 Art  
 Biology  
 Business Administration  
 Chemistry  
 Chiropractic Medicine  
 Clinical Laboratory Sciences  
 Communication-Advertising/Public Relations  
 Communication-Journalism  
 Communication-Radio/Television Broadcasting  
 Communication-Speech  
 Computer Engineering  
 Computer Science  
 Criminology/Criminal Justice  
 Dental Medicine  
 Early Childhood Education  
 Economics  
 Economics for Business  
 Elementary Teacher Education  
 Engineering  
 Engineering Technology/Building Construction  
 English  
 English Teacher Education  
 Entomology  
 Environmental Science: Natural Science Option  
 Environmental Science: Policy Option  
 Forestry  
 Geology  
 Health Education  
 Health Services Administration  
 History  
 Legal Studies  
 Marine Biology  
 Mathematics  
 Mathematics Education  
 Medical  
 Music  
 Nursing  
 Nutrition, Food, and Exercise Science  
 Occupational Therapy  
 Optometry  
 Pharmacy  
 Philosophy  
 Physical Education  
 Physical Therapy  
 Physics  
 Political Science  
 Psychology  
 Recreation: Leisure Services Management  
 Religion

Respiratory Care  
 Science Education  
 Social Studies Education  
 Social Work  
 Sociology  
 Spanish Language  
 Spanish Language Teacher Education  
 Special Education  
 Sports Medicine/Athletic Trainer  
 Theatre  
 Veterinary Medicine

### Graduation Requirements for the Associate in Arts Degree

Although the A.A. degree does not indicate a specific major, it is strongly encouraged that students complete the A.A. degree prior to transferring to a public university in Florida. All A.A. degree recipients must meet the following requirements for graduation:

1. Successfully complete a minimum of 60 credit hours of acceptable college-level credit
2. Successfully complete requirements for graduation under the catalog in force at the time of entry into the program or re-entry into the program
3. Successfully complete the 36 credit hours of general education courses
4. Successfully complete a minimum of 24 credit hours of A.A. designated electives
5. New students who were initially admitted as first-time-in-college students in fall 2014 or thereafter, pursuant to s. 1007.25, F.S., must meet foreign language competency as specified in s. 1007.262, F.S. This competency is ordinarily demonstrated through completion of two credits of sequential high school foreign language OR successful completion of two semesters of foreign language at the postsecondary level.
6. All A.A. students entering a Florida College system institution in Fall 2021 and thereafter, are required to meet civics literacy requirements by passing either AMH202 or POS2041 and passing the Florida Civics Literacy Examination (FCLE). Students may also demonstrate competency through completion of AP Government and Politics: United States, AP United States History, or CLEP: American Government examination. AICE: U.S. History (1840 – 1990) meets the civics literacy course requirement only. Students receiving course credit for this exam will be required to pass the FCLE. High school students who take the U.S. Government course and pass the FCLE will have met the postsecondary civic literacy assessment

•General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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requirement. Students who have previously achieved a passing score on an approved assessment or passed an approved course will have met the assessment requirement or coursework requirement, respectively, and will not be required to re-take the assessments or courses.

7. Earn a minimum cumulative grade point average (GPA) of 2.00, including all transfer credits and courses attempted at GCSC. In addition, a student must earn a minimum cumulative GPA of 2.00 on all GCSC courses.
8. Complete 25 percent of college-level credit hours at GCSC (a minimum of 15 credit hours)
9. Submit an application for graduation as outlined in the Graduation Procedures section of this catalog
10. Fulfill all financial obligations to the college

Students can go back up to five catalog years as long as there was no break in enrollment (defined as missing a fall or spring semester). If there was a break in enrollment, the student will complete requirements for graduation under the catalog in force at the time of re-entry.

## The Associate in Arts Degree Program of Study

All students intending to graduate with an A.A. degree and planning to transfer to the university to pursue a specific major are required to complete the following curriculum.

To assure that graduates of the state university and state college systems share a common base of General Education requirements, the State of Florida has designated general education core course options in each of five areas of study—Communication, Humanities, Mathematics, Natural Sciences, and Social Sciences. Beginning with students initially entering a Florida College System institution or state university in 2015-2016 and thereafter, each student must complete at least one identified core course (designated with ●) in each area of study as part of the general education course requirements.

### GENERAL EDUCATION COURSES

#### Communications Area (6 crs.)

o Students will demonstrate the ability to communicate effectively.

o Students will demonstrate the ability to analyze communication critically.

Any student who successfully completes a course with an ENC prefix for which ENC1101 is an immediate prerequisite shall be considered to have completed the communication core.

- \* ENC1101, English Composition I, (3 crs.)
- \* ENC1101C, Enhanced English Composition I, (4 crs.)
- +\* ENC1102, English Composition II, (3 crs.)

#### Humanities Area (9 crs.)

o Students will confirm the ability to think critically through demonstrating interpretive ability and cultural literacy.

o Students will acquire competence in reflecting critically upon the human condition.

In order to fulfill the Humanities area requirement, students must choose at least one course from each discipline (Visual & Performing Arts, Philosophy/Religion, and Literature). At least one course in the Humanities area must be a core option course (designated with ●).

#### Discipline: Visual & Performing Arts (choose one, 3 crs.)

- ARH2000, Understanding Visual Arts
- ARH2050, Art History I
- ARH2051, Art History II
- ARH2060, History of Architecture
- MUL2010, Understanding Music
- + MUL2110, Survey of Music Literature
- THE2000, Understanding Theatre

#### Discipline: Philosophy/Religion (choose one, 3 crs.)

(Students must complete ENC1101 with a minimum grade of "C" before taking Philosophy/Religion courses, which also require completion with a minimum grade of "C.")

- +\*HUM2020, Introduction to Humanities
- +\*PHI2010, Introduction to Philosophy
- +\*PHI2600, Ethics
- +\*REL2121, Introduction to Religion in America
- +\*REL2300, Religions of the World

#### Discipline: Literature (choose one, 3 crs.)

(Students must complete ENC1102 with a minimum grade of "C" before taking Literature courses, which also require completion with a minimum grade of "C.")

- +\*AML2010, American Literature through the Civil War
- +\*AML2020, American Literature: Reconstruction to Present
- +\*ENG2111, Literature and Film
- +\*ENL2012, English Literature through the 18th Century
- +\*ENL2022, English Literature: Romanticism to Present
- +\*LIT2000, Literature and Culture
- +\*LIT2040, World Drama
- +\*LIT2090, Contemporary Literature
- +\*LIT2110, World Literature: Ancient – Renaissance
- +\*LIT2120, World Literature: Enlightenment to Present

● General Education Core. Students must complete at least one identified core course in each area of study—Communication, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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**Mathematics Area (6 crs.)**

o Students will determine appropriate mathematical and computational models and methods in problem solving, and demonstrate an understanding of mathematical concepts.

o Students will apply appropriate mathematical and computational models and methods in problem solving.

Any student who successfully completes a mathematics course for which one of the general education core course options in mathematics is an immediate prerequisite shall be considered to have completed the mathematics core.

NOTE: Mathematics course requirements are determined by student's choice of major. Consult an academic advisor for more information.

**Discipline: Mathematics (choose at least one core option course [designated with •] from the list below)**

- +\*MAC1105, College Algebra
  - +\*MAC1114, Plane Trigonometry
  - +\*MAC1140, Pre-Calculus Algebra
  - +\*MAC2233, Calculus for Business and Social Science I
- +\* MAC2311, Calculus with Analytic Geometry I
  - +\*MAC2312, Calculus with Geometry II
  - +\*MAC2313, Calculus with Geometry III
  - +\*MGF1107, Survey of Mathematics
- +\*MGF1130, Mathematical Thinking
  - +\*MGF1131, Mathematics in Context
- +\*STA2023, Statistics
  - +\*STA2122, Statistical Applications

**Plus** at least three additional hours at the level of STA, MAC, or MGF as approved by advisor and/or defined by major.

**Natural Sciences Area (6 crs.)**

o Students will demonstrate the ability to critically examine and evaluate scientific observation, hypothesis, or model construction, and to use the scientific method to explain the natural world.

o Students will successfully recognize and comprehend fundamental concepts, principles, and processes about the natural world.

Any student who successfully completes a natural science course for which one of the general education core course options in natural science is an immediate prerequisite shall be considered to have completed the natural sciences core.

In order to fulfill the Natural Sciences area requirement, students must complete both a Physical Science and a Biological Science course. At least one course in the Natural Sciences area must be a core option course (designated with •).

**Discipline: Physical Sciences (choose one, 3 crs.)**

- AST1002, Descriptive Astronomy
- CHMX020, Chemistry for Liberal Studies
  - +CHM1025, Introduction to General Chemistry
  - +CHM1032, General, Organic, Biochemistry
- +CHM1045, General Chemistry
  - +CHM1046, General Chemistry and Qualitative Analysis
- ESC2000, Earth and Space Science Survey
- EVR1001, Introduction to Environmental Science
- GLY1010, Physical Geology
- OCE1001, Fundamentals of Oceanography
- PHY1020, Basic Concepts of Physics
  - +PHY1023, Survey of General Physics
- + PHY2048, University Physics I
- + PHY2053, College Physics I

**Discipline: Biological Sciences (choose one, 3 crs.)**

- BOT2800, Plants and Society
- BSC1005, General Biological Science
  - BSC1020, Human Biology
- + BSC2010, Biology for Science Majors I
- + BSC2085, Human Anatomy and Physiology I
  - +BSC2311, Introduction to Marine Biology

**Social Sciences Area (9 crs.)**

o Students will demonstrate the ability to examine behavioral, social, and cultural issues from a variety of points of view.

o Students will demonstrate an understanding of basic social and behavioral science concepts and principles used the analysis of behavioral, social, and cultural issues, past and present, local and global.

In order to fulfill the Social Sciences area requirement, students must choose at least one course from each discipline (Behavioral Sciences, History, and Government). From the two courses taken in History and Government, students are expected to take one Global course and one U.S. course. At least one course in the Social Sciences area must be a core option course (designated with •).

**Discipline: Behavioral Sciences (choose one, 3 crs.)**

- ANT2000, Introduction to Anthropology
- ECO2013, Principles of Economics, Macro
  - GEA1000, World Regional Geography
- PSY2012, General Psychology

•General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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**Discipline: History (choose one, 3 crs.)**Global:

- EUH1000, Western Civilization I
- EUH1001, Western Civilization II
- WOH2012, World History I
- WOH2022, World History II

U.S.:

- @ AMH2010, United States History I
- @ AMH2020, United States History II

**Discipline: Government (choose one, 3 crs.)**Global:

- CPO2002, Comparative Government

U.S.:

- @ POS2041, American National Government
- POS2112, State and Local Government

New students who were initially admitted as first-time-in-college students in fall 2014 or thereafter, pursuant to s. 1007.25, F.S., must meet foreign language competency as specified in s. 1007.262, F.S. This competency is ordinarily demonstrated through completion of two credits of sequential high school foreign language OR successful completion of two semesters of foreign language at the postsecondary level.

All A.A. students entering a Florida College System institution in Fall 2021 and thereafter, are required to meet civics literacy requirements by passing either AMH2020 or POS2041 and passing the Florida Civics Literacy Examination (FCLE). Students may also demonstrate competency through completion of AP Government and Politics: United States, AP United States History, or CLEP: American Government examination. AICE: U.S. History (1840 – 1990) meets the civics literacy course requirement only. Students receiving course credit for this exam will be required to pass the FCLE. High school students who take the U.S. Government course and pass the FCLE will have met the postsecondary civic literacy assessment requirement. Students who have previously achieved a passing score on an approved assessment or passed an approved course will have met the assessment requirement or coursework requirement, respectively, and will not be required to re-take the assessments or courses.

No more than two physical education/activity semester hours may be used for the A.A. degree. No more than six hours of Cooperative Education may be used for the A.A. degree. No more than 30 hours of College Level Examination Program (CLEP) credit may be used for the A.A. degree.

**General Education Digital Badge Series**

Florida public postsecondary institutions now offer students an Effective Communication digital badge. With this badge, you will be able to not only enhance your personal communication skills but also convey to future employers that you have acquired vital skills needed for professional success. 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 texts.

How to earn the Effective Communication digital badge:

- Enroll in ENC1101 or ENC1101C or a course in which ENC1101 or ENC1101C is a prerequisite
- Successfully complete the course with a grade of "C" or higher
- Digital badge will automatically be awarded and added to your FASTER (Florida Automated System for Transferring Educational Records) transcript

By completing the college course associated with this badge, you will demonstrate information literacy, comprehension of rhetorical purposes and audiences. Some of the learning outcomes associated with the college course that results in the Effective Communication digital 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

• General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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**ACCOUNTING OPTION, LIBERAL ARTS A.A. (ACCT-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for an advanced education at the university level. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*STA2023, Statistics	3
	+*MAC2233, Calculus for Business	3
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	●ECO2013, Economics, Macro	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	CGS1570, Microcomputer Applications	3
	*ACG2001, Financial Accounting I	3
	+*ACG2011, Financial Accounting II	3
	ECO2023, Economics, Micro	3
	+*ACG2071, Managerial Accounting	3
	+CGS2518, Spreadsheets for Business Environments	3
Electives		6
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**ANTHROPOLOGY/ARCHAEOLOGY OPTION, LIBERAL ARTS A.A. (ANTH-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for a career in anthropology or archaeology. Anthropologists study human origins, languages, social institutions and customs. Archaeologists study the artifacts of prehistoric and historic peoples and attempt to reconstruct the culture and social practices of such people. This transfer track will also prepare students for a teaching career in anthropology or archaeology. Students should expect to complete graduate studies in preparation for a career in anthropology or archaeology.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	●ANT2000, Introduction to Anthropology	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	ANT2100, Introduction to Archaeology or ANT2410, Cultural Anthropology	3
Electives		21
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**Recommended electives:**

ANT2149, Lost Tribes and Sunken Continents  
SYG2000, Principles of Sociology

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**ARCHITECTURE OPTION, LIBERAL ARTS A.A.  
(ARCH-AA)**

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students for entry into the Bachelor of Science in Architectural Studies degree program.

It is desirable that students transferring to a senior institution plan their program so that common prerequisites can be completed for the upper-division transfer school for their major. It is best for the student to complete the entire two-year degree program prior to transfer, as A.A. graduates who transfer to one of the institutions in the Florida State University System (SUS) enjoy certain protections under the statewide articulation agreement. These rights are presented in the "Student Bill of Rights."

Gulf Coast State College offers the necessary prerequisites for most of the State of Florida University Baccalaureate Programs. Students are encouraged to consult a current catalog from the upper-division school where they plan to transfer in addition to meeting with a college advisor or faculty member to acquire an official program plan of study for their intended major. GCSC has an Articulation agreement with Florida A&M University (FAMU); the University of Florida and University of South Florida have similar programs.

It is highly recommended that, in addition to the common prerequisites listed below, students should consult the current catalog from the desired transfer university. Some programs have restricted access or are considered Limited Access programs. Students are responsible for completing the specific requirements for admissions. For more information on the A.A. to B.S. articulation, contact your program advisor.

PRIMARY ADVISOR: Antonio Adessi LEED AP, (850) 769-1551, ext. 5887 or e-mail [aadessi@gulfcoast.edu](mailto:aadessi@gulfcoast.edu).

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
Humanities Area		
Visual and Performing Arts	ARH2060, History of Architecture	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
Mathematics Area		
	+*MAC1140, Precalculus Algebra	3
	+*MAC1114, Plane Trigonometry	3

Natural Sciences Area		
Physical Science	•+PHY2053, College Physics	3
Biological Science	See General Education Requirement	3
Social Sciences Area		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
Other Requirements		
	+PHY2053L, College Physics Lab	1
Additional Common Prerequisites		
	+ARC1301C, Architectural Design 1	4
	+ARC1302C, Architectural Design 2	4
	+ARC2303C, Architectural Design 3	5
	+ARC2304C, Architectural Design 4	5
	+ARC2180, Introduction to Digital Architecture	3
Electives		2
TOTAL DEGREE HOURS		<b>60</b>

**Recommended electives:**

+ARC2312C, Introduction to Building Assembly Modeling, 4 crs.  
 BCN2405, Statics and Strength of Materials, 3 crs.  
 BCN1230, Materials and Methods, 3 crs.

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**ART OPTION, LIBERAL ARTS A.A.  
(ART-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for a career in the visual arts. Visual arts is a limited access program at most universities. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend. For example, some visual arts specialized programs within a university require two years of a foreign language.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	• ARH2000, Understanding Visual Art	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	ART1201C, Design I	3
	+ART1203C, Design II	3
	ART1300C, Drawing I	3
	+ART1301C, Drawing II	3
	ARH2050, Art History Criticism I	3
	ARH2051, Art History Criticism I	3
	ART2955, Portfolio and Resume Development	3
Electives	Approved visual arts or photography electives	3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**BIOLOGY OPTION, LIBERAL ARTS A.A.  
(BIO-AA)**

**AREA OF CONCENTRATION:** This transfer track prepares students for entering the university as a biology major. Generally, most state universities offer a B.S. or B.A. in biology or related life science fields such as botany, zoology, microbiology and cell science, entomology, plant science, animal science, and wildlife ecology. Because of the diversity among degree programs, students should contact the university they plan to attend as soon as possible to determine the curriculum option in which they are most interested and the admissions requirements of that university. Additionally, most universities require one year of a foreign language. All state universities in Florida offer upper division studies in biology.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*MAC2311, Calculus I	4
	+*MAC2312, Calculus II	4
<b>Natural Sciences Area</b>		
Physical Science	•+*CHM1045, General Chemistry	3
Biological Science	•+BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+BSC2010L, Biology for Science Majors I Lab	1
	+BSC 2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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	CHM1045L, General Chemistry Lab	1
	+*CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1
	+*CHM2210, Organic Chemistry I	3
	+CHM2210L, Organic Chemistry I Lab	1
	+CHM2211, Organic Chemistry II	3
	+CHM2211L, Organic Chemistry II Lab	1
<b>Electives</b>		4
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

### BUSINESS ADMINISTRATION OPTION, LIBERAL ARTS A.A. (BUS-AA)

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for an advanced education at the university level. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*STA2023, Statistics	3
	+*MAC2233, Calculus for Business	3
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•ECO2013, Economics, Macro	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	CGS1570, Microcomputer Applications	3
	*ACG2001, Financial Accounting I	3
	+*ACG2011, Financial Accounting II	3
	*ECO2023, Economics, Micro	3
	+*ACG2071, Managerial Accounting	3
<b>Electives</b>		9
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended elective:

MAN2160, Foundations of Leadership, 3 crs.

If your PERT scores do not place you in MAC2233, then the Math prerequisites will count as your electives.

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**CHEMISTRY OPTION, LIBERAL ARTS A.A.  
(CHEM-AA)**

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students for upper division studies as chemistry majors. All state public universities and most private universities offer the bachelor's degree in chemistry. Several of the institutions offer B.S./A.C.S. degrees, indicating endorsement of the program by the American Chemical Society. Most colleges of arts and sciences require an intermediate level of proficiency in a foreign language beyond that required for admissions to the university. To enhance students' chemistry education, the chemistry department at Gulf Coast State College offers hands-on instruction in the use of a wide range of instruments, such as gas chromatography (GC) and infra-red spectroscopy (FTIR). Several different levels of computer usage for chemistry are available for student use. It is strongly recommended that students be familiar with the admissions requirements of the university they plan to attend. In addition to the courses below, most universities require Calculus III and highly recommend Differential Equations.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*MAC2311, Calculus I	4
	+*MAC2312, Calculus II	4
<b>Natural Sciences Area</b>		
Physical Science	•+*CHM1045, General Chemistry	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	CHM1045L, General Chemistry Lab	1

	+*CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1
NOTE: The PHY2048/2049 sequence is required for the Bachelor in Science degree. It is an option for the Bachelor in Arts degree.  The PHY 2053/2054 sequence is not accepted for the Bachelor in Science degree.	Students must also complete one of the following two-semester sequences in science: +*CHM2210, Organic Chemistry I, 3 crs. +CHM2210L, Organic Chemistry I Lab, 1 cr. +*CHM2211, Organic Chemistry II, 3 crs. +CHM2211L, Organic Chemistry II Lab, 1 cr. Electives <sup>1</sup> , 8 crs. <b>AND</b> •+*PHY2048, University Physics I, 4 crs. +PHY2048L, University Physics I Lab, 1 cr. +PHY2049, University Physics II, 4 crs. +PHY2049L, University Physics II Lab, 1 cr. Electives <sup>2</sup> , 6 crs. <b>OR</b> •+*PHY2053, College Physics I, 3 crs. +PHY2053L, College Physics I Lab, 1 cr. +PHY2054, College Physics II, 3 crs. +PHY2054L, College Physics II Lab, 1 cr. Electives, 8 crs.	16
<b>Elective</b>		1
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

<sup>1</sup>University Physics is required for advanced degrees in chemistry.

<sup>2</sup>GCSC strongly recommends that students pursuing a chemistry transfer track complete the chemistry sequence through CHM2211 before transferring.

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**CHIROPRACTIC MEDICINE OPTION, LIBERAL ARTS A.A. (CHIR-AA)**

**AREA OF CONCENTRATION:** The primary goal of this transfer track is to prepare students for admission directly to the college of chiropractic medicine or to the upper division for continued studies to prepare for admission to chiropractic study. Although schools of chiropractic medicine do not require students to hold a bachelor's degree, they do require a strong background in biology, chemistry, physics, and related areas, as well as specific requirements in the social sciences and humanities. Most chiropractic colleges require 60 - 80 semester hours of course work prior to making application. The state of Florida does not have a school of chiropractic medicine at this time. Students should be familiar with the requirements of the chiropractic school they plan to attend.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC1140, Pre-Calculus Algebra	3
	+*MAC1114, Trigonometry	3
<b>Natural Sciences Area</b>		
Physical Science	•+*CHM1045, General Chemistry	3
Biological Science	Approved Biology	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	CHM1045L, General Chemistry Lab	1
	+*CHM1046, Chemistry	3

	with Qual. Analysis	
	+CHM1046L, Chemistry with Qual. Anal. Lab	1
	+*CHM2210, Organic Chemistry I	3
	+CHM2210L, Organic Chemistry I Lab	1
	Approved Biology Lab	1
	Approved Biology	3
	Approved Biology Lab	1
	•+*PHY2053, Physics I	3
	+PHY2053L, Physics I Lab	1
	+*PHY2054, Physics II	3
	+PHY2054L, Physics II Lab	1
Elective		2
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**CLINICAL LABORATORY SCIENCES OPTION,  
LIBERAL ARTS A.A.  
(MEDT-AA)**

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students for upper division studies in clinical laboratory science programs. These upper division programs include a year of upper division work (accelerated program) at selected institutions or may be completed in a 2 + 1 program in which clinical training is completed after receipt of the B.S. degree. Admission to the clinical phase of the upper division program is usually competitive and usually requires a minimum GPA of 2.5 in all science or math/science courses attempted. Graduates are eligible to take the Registry Examination of the American Society of Clinical Pathologists or the NCA. Passing these or similar tests is a general requirement for employment in the profession. Clinical laboratory scientists (previously called medical technologists) are employed by medical facilities to manage, design, and perform laboratory tests to aid in diagnosis and recovery of patients. State universities having the upper division work include UWF, FIU, FAU, USF, and UCF. The following track was designed in conjunction with the University of West Florida program. It is strongly recommended that students carefully examine the catalog of the university to which transfer is expected.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC1140, Pre-Calculus Algebra	3
	●+*STA2023, Statistics	3
<b>Natural Sciences Area</b>		
Physical Science	●+*CHM1045, General Chemistry	3
Biological Science	●+*BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education	3

	Requirement	
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	CHM1045L, General Chemistry Lab	1
	+*CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1
	+BSC2010L, Biology for Science Maj. I Lab	1
	●+*BSC2085, Anatomy and Physiology I	3
	+BSC2085L, Anatomy and Physiology I Lab	1
	+*BSC2086, Anatomy and Physiology II	3
	+BSC2086L, Anatomy and Physiology II Lab	1
	+*CHM2210, Organic Chemistry I	3
	+*CHM2210L, Organic Chemistry I Lab	1
	+*CHM2211, Organic Chemistry II	3
	+CHM2211L, Organic Chemistry II Lab	1
<b>Electives</b>		<b>2</b>
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**COMMUNICATION OPTION, LIBERAL ARTS A.A.  
Advertising/Public Relations Option  
(ADVR-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for an advanced education at the university level. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

Recommended electives:

- CGS2069, Social Media Marketing, 3 crs.
- MAR2011, Marketing, 3 crs.
- DIG2410, Basic Scripting, 3 crs.
- MAN2160, Foundations of Leadership, 3 crs.

		Credit Hours
<b>Communications Area</b>		
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	•@AMH2010, U.S. History I	3
Government	•@POS2041, American National Government	3
<b>Additional Common Prerequisites</b>		
	POS2112, State and Local Government	3
	SPC1608, Introduction to Public Speaking	3
	•@AMH2020, U.S. History II	3
	•ECO2013, Economics, Macro or ECO2023, Principles of Economics, Micro	3
<b>Electives</b>		12
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**COMMUNICATION OPTION, LIBERAL ARTS A.A.  
Journalism Option  
(JOUN-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for the production and evaluation of information disseminated through mass media. The track includes study and appreciation of the evolution of the context and technologies of mass media. Students may develop fundamental skills in writing for newspapers, magazines, radio, and television. Students may gain practical skill in desktop publishing through production of the college literary magazine and the college newspaper. Students who graduate from this track may work in communication related fields. Students may continue their formal education toward a Bachelor of Arts or Bachelor of Science degree with a major in journalism or mass communication. Degrees in journalism or mass communication may allow entry into newspaper and magazine production as well as information related fields.

	SPC1608, Introduction to Public Speaking	3
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	•@AMH2020, U.S. History II	3
	POS2112, State and Local Government or CPO2002, Comparative Government	3
<b>Electives</b>		15
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives:  
 •ECO2013, Economics  
 PGY2801C, Digital Photography I, 3 crs.  
 +PGY2802C, Digital Photography II, 3 crs.  
 SPC1300, Interpersonal Communication, 3 crs.  
 SPC1420, Group Discussion, 3 crs.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	•@AMH2010, U.S. History I	3
Government	•@POS2041, American National Government	3
<b>Additional Common Prerequisites</b>		

• General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**COMMUNICATION OPTION, LIBERAL ARTS A.A.**  
**Radio/Television Broadcasting Option**  
**(RTV-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students as media creators, writers, and practitioners in radio, television, and the multimedia. Students will participate in real-time laboratory experiences and classroom exercises that introduce them to media outlets in the community as well as on-air and production work for WKGC-AM/FM, the public radio stations associated with Gulf Coast State College. Most students use this knowledge and background to continue their formal education toward a bachelor's degree in general or mass communications at a four-year institution.

<b>HOURS</b>		
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Pre-Communication students wishing to transfer to a four-year Florida school should be aware of the AMH2010, AMH2020, and ECO2013 requirements by some institutions.)

- Recommended electives:  
 +DIG2151, Writing for Media  
 DIG2200, Digital Video Fundamentals, 3 crs.  
 DIG2251, Sound for Digital Media, 3 crs.  
 DIG2257, Radio Production Sound Recording, 3 crs.  
 DIG2290, Studio Production and Direction  
 SPC1608, Introduction to Public Speaking, 3 crs.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	•@AMH2010, U.S. History I	3
Government	•@POS2041, American National Government	3
<b>Additional Common Prerequisites</b>		
	•@AMH2020, U.S. History II	3
	POS2112, State and Local Government	3
<b>Electives</b>		<b>18</b>
<b>TOTAL DEGREE</b>		<b>60</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**COMMUNICATION OPTION, LIBERAL ARTS A.A.  
Speech Option (SPCH-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for the art of public speaking. Students engage in critical thinking, and apply principles of reasoning to their ideas and to the ideas of others. The track includes the study and execution of significance to setting, audience, and purpose. Students who graduate from this track may work in communication related fields. Students may continue their formal education toward a Bachelor of Arts or Bachelor of Science degree with a major in communication studies (speech communication, interpersonal communication and legal communication). Degrees in communication may allow entry into law, ministry, education, speech writing, management, lobbying, and sales.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	SPC1608, Introduction to Public Speaking	3
<b>Electives</b>		21
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives:  
 SPC1300, Interpersonal Communication, 3 crs.  
 SPC1420, Group Discussion, 3 crs.

**COMPUTER ENGINEERING OPTION, LIBERAL ARTS A.A.  
(CSSE-AA)**

**AREA OF CONCENTRATION:** A baccalaureate degree in Computer Science and Software Engineering affords students the opportunity to secure employment in an industrial or financial firm, a governmental agency, or secondary, college, or university teaching position. Potential research opportunities include the following: computer security, cryptography; programming languages; compilers; real-time systems; databases; fault tolerance; networks, neural networks; expert networks; fuzzy sets and systems; scientific visualization; human computer interaction; computational science and engineering. This transfer track is designed to meet FSU-Panama City program requirements.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*MAC2311, Calculus I	4
	+*MAC2312, Calculus II	4
<b>Natural Sciences Area</b>		
Physical Science	●+PHY2048, University Physics I	4
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	●+*STA2023, Statistics	3
	+*MAC2313, Calculus III (4 crs.) or +MAP2302, Differential Equations (3 crs.)	4/3

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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	+PHY2048L, University Physics I Lab	1
	+PHY2049, University Physics II	4
	+PHY2049L, University Physics II Lab	1
	COP1000, Introduction to Programming Language	3
	+COP2224, Introduction to C++ or +COP2250, Introduction to Java Programming	3
<b>Electives</b>		2/3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**COMPUTER SCIENCE OPTION, LIBERAL ARTS A.A. (CMPM-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to provide students the opportunity to gain knowledge in the disciplines necessary for a career in computer science. A four year degree could lead to employment in an industrial or financial field, a government agency, a secondary college, or a university. Examples of employment include the development of software, working with robotics, the space industry, programming, sophisticated graphics such as animation and interior design, networking computers, and development of expert systems. Students are encouraged to become familiar with the admissions requirements at the university they plan to attend. Some of the schools in Florida have a limited access to computer science. Students in these schools must achieve at least a 2.5 GPA in all college work attempted and must have completed the State of Florida Common Course Prerequisites with a grade of "C" or better in order to be considered for entrance.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*MAC2311, Calculus I	4
	+*MAC2312, Calculus w/Analytical Geometry II	4
<b>Natural Sciences Area</b>		
Physical Science	•+PHY2048, University Physics I	4
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+PHY2048L, University Physics I Lab	1
	+PHY2049, University Physics II	4

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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	+PHY2049L, University Physics II Lab	1
	COP1000, Introduction to Programming Logic	3
	+COP2224 or +COP2250, Intro to C++ or Java Programming I	3
<b>Electives</b>		9
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

### CRIMINOLOGY/CRIMINAL JUSTICE OPTION, LIBERAL ARTS A.A. (LAW-AA)

**AREA OF CONCENTRATION:** Criminology and criminal justice encompass the scientific study of crime, criminals, the lawmaking process, the criminal justice system, and the treatment of offenders. Completion of the track leads to an Associate in Arts degree, which constitutes the first two years of a Bachelor of Arts or Bachelor of Science degree (a four-year degree). Students may complete the remaining two years of the four-year degree in criminology at Florida State or at several of Florida's major universities. The purpose of this program is to prepare students to continue their educational pursuits which lead to careers in federal law enforcement (FBI; Drug Enforcement Administration; U.S. Marshal's Service; Bureau of Alcohol, Tobacco and Firearms; Immigration & Naturalization Service; Internal Revenue Service; U. S. Postal Service and the Central Intelligence Agency), as well as careers as prosecuting or defense attorneys, judges, court administrators, probation/parole officers, juvenile court case workers, criminal analysts, and criminal research scientists.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Electives</b>		24
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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Recommended electives:

- CCJ1010, Introduction to Criminology, 3 crs.
- CCJ1020, Introduction to Criminal Justice, 3 crs.
- CCJ1191, Human Behavior in Criminal Justice, 3 crs.
- CJL2100, Criminal Law, 3 crs.
- CJC2162, Probation & Parole, 3 crs.
- CJJ2002, Juvenile Justice, 3 crs.
- CJL2130, Evidence, 3 crs.
- CCJ2720, Introduction to Research Methods in Criminology, 3 crs.
- SYG2000, Sociology or •PSY2012, Psychology, 3 crs.
- +BSC2085, Anatomy and Physiology or •+BSC1005, Biology, 3 crs.
- CGS1570, Microcomputer Applications, 3 crs.
- SPN1120, First Year Spanish I, 4 crs.
- +SPN1121, First Year Spanish II, 4 crs.
- SPC1608, Introduction to Public Speaking, 3 crs.  
(SPC1608 is a university graduating requirement and not a university entrance requirement.)

**DENTAL MEDICINE OPTION, LIBERAL ARTS A.A. (DENT-AA)**

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students for upper division studies leading to a bachelor’s degree. Most upper division programs designed to prepare students for dentistry are not in “pre-dentistry,” but are in biology and related areas. Colleges of dentistry do not require students to have undergraduate degrees in biology or other sciences, but do expect students to have an in-depth background in biological sciences, chemistry, physics, and other related areas in order to master the dental curriculum. Students should gain admission to the college of arts and sciences to complete the bachelor’s degree, and then seek admission to the college of dentistry. Admission to dental school is highly competitive and requires an excellent GPA, both in general course work and in science courses, as well as high scores on the DAT (Dental Aptitude Test). Students should become familiar with the requirements for the dental school of interest. Among the state universities in Florida, the only dental school is at UF.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC1114, Trigonometry	3
	•+*MAC2311, Calculus I	4
<b>Natural Sciences Area</b>		
Physical Science	•+*CHM1045, General Chemistry	3
Biological Science	•+*BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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Additional Common Prerequisites		
+BSC2010L, Biology for Science Maj. I Lab		1
+*BSC2011, Biology for Science Majors II		3
+BSC2011L, Biology for Science Maj. II Lab		1
CHM1045L, General Chemistry Lab		1
+*CHM1046, Chemistry with Qual. Analysis		3
+CHM1046L, Chemistry with Qual. Anal. Lab		1
+*CHM2210, Organic Chemistry I		3
+CHM2210L, Organic Chemistry I Lab		1
+*CHM2211, Organic Chemistry II		3
+CHM2211L, Organic Chemistry II Lab		1
<b>Electives</b>		<b>5</b>
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

### EARLY CHILDHOOD EDUCATION OPTION, LIBERAL ARTS A.A. (CHLD-AA)

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students for a career in teaching early childhood ages birth to eight years. Upon successful completion of a four-year degree at a university and appropriate teacher certification requirements, students qualify for a Florida certificate in early childhood education. Students wishing to seek employment after completing the two-year Early Childhood program would be able to do so in child care and pre-school programs.

The state of Florida requires a thorough background check by the Florida Department of Law Enforcement prior to students entering the classroom for observations. The college requires the submission of written verification of a completed and approved background check before students may complete on-site course requirements. Students doing observations in school systems must go to the district in which they will do their observations and comply with the requirements for that system. The students will be required to pay a fee for the cost of the background check.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	•@AMH2010 or •@AMH2020, U.S. History I or II	3
Government	See General Education Requirement	3

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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<b>Additional Common Prerequisite</b>		
	EDF1005, Introduction to the Teaching Profession	3
<b>Other Requirements</b>		
	EEX2010, Introduction to Exceptional Learners	3
	EME2040, Introduction to Technology for Educators	3
<b>Electives</b>		15
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives:

- SPC1608, Introduction to Public Speaking, 3 crs.
- SYG2000, Principles of Sociology, 3 crs.
- DEP2001, Infant and Child Psychology
- +EEC2240, Social Studies and Creative Expression for Young Children, 3 crs.

**ECONOMICS OPTION, LIBERAL ARTS A.A. (ECON-AA)**

**AREA OF CONCENTRATION:** The diversified discipline of economics makes the student aware of fiscal and monetary issues, international trade, and economic implications of private enterprise. Basic tools, theories, and economic models are studied to provide the student with a means to analyze economic issues.

		<b>Credit Hours</b>
<b>Communications Area</b>		
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•ECO2013, Economics, Macro	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	ECO2023, Economics, Micro	3
	Foreign language (if not completed in high school)	8
<b>Electives</b>		13
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives:

- +\*STA2023, Statistics (Meets one General Education math requirement), 3 crs.
- MAN2160, Foundations of Leadership

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**ECONOMICS FOR BUSINESS OPTION, LIBERAL ARTS A.A. (ECOB-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for an advanced education at the university level. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

		Credit Hours
<b>Communications Area</b>		
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC2233, Calculus for Business	3
	●+*STA2023, Statistics	3
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	●ECO2013, Economics, Macro	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	CGS1570, Microcomputer Applications	3
	*ACG2001, Financial Accounting I	3
	+*ACG2011, Financial Accounting II	3
	ECO2023, Economics, Micro	3
	+*ACG2071, Managerial Accounting	3
<b>Electives</b>		9
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

If your PERT scores do not place you into MAC2233, Calculus for Business, then the Math prerequisites will count as your electives.

**ELEMENTARY TEACHER EDUCATION OPTION, LIBERAL ARTS A.A. (EDUC-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for a career in teaching kindergarten through grade six. The four-year degree will lead to Florida certification for grades K-6. Elementary education is a limited access program at most Florida universities. Students may have additional requirements for admission to a teacher-preparatory program. Please contact a GCSC advisor or the transfer institution for further guidance. The State of Florida requires a thorough background check by the Florida Department of Law Enforcement prior to students entering the classroom for observations. The college requires the submission of written verification of approved and completed background checks before students may complete on-site course requirements. Students doing observations in school systems must go to the district in which they will do their observations and comply with the requirements for that system. GCSC only has articulation agreements with Gulf, Franklin, and Bay school districts for such observation experiences. The students will be required to pay a fee for the cost of the background check.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Common Prerequisite</b>		
	EDF1005, Introduction to the Teaching Profession	3
Other Requirements		
	EEX2010, Introduction to Exceptional Learners	3
	EME2040, Introduction to Technology for Educators	3
<b>Electives</b>		15
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives:

- +EDE2310, Introduction to Teaching Methods I
- +EDE2300, Introduction to Teaching Methods II
- DEP2001, Infant and Child Psychology, 3 crs.
- DEP2004, Developmental Psychology, 3 crs.
- SPC1608, Introduction to Public Speaking, 3 crs.
- BSC1005L, General Biological Science Laboratory, 1 cr.

**ENGINEERING OPTION, LIBERAL ARTS A.A. (ENGR-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for entering an engineering school. Engineering is a limited access program at most universities. Chemical engineering majors are required to have CHM 1046/1046L, CHM 2210/2210L, and CHM 2211/2211L completed before entering the chemical engineering program. Each area of engineering may also be further limiting. For example, the University of Florida requires a 2.5 GPA in the A.A. degree but could require a 2.8 GPA in calculus and physics courses (first attempts only) to major in electrical engineering. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*MAC2311, Calculus I	4
	+*MAC2312, Calculus II	4
<b>Natural Sciences Area</b>		
Physical Science	•+PHY2048, University Physics I	4
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+*MAC2313, Calculus III	4
	+PHY2048L, University Physics I Lab	1
	+PHY2049, University Physics II	4
	+PHY2049L, University Physics II Lab	1
	•+CHM1045, General Chemistry	3

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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	CHM1045L, General Chemistry Lab	1
	+*MAP2302, Differential Equations	3
Electives		4
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**ENGINEERING TECHNOLOGY/BUILDING CONSTRUCTION OPTION, LIBERAL ARTS A.A. (BLCN-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to provide students the opportunity to gain knowledge in the disciplines necessary for a career in building construction. The track is designed to meet the first two years of preparation for a four-year degree based on the program offered at the University of West Florida. Students should make contact as soon as possible with the school they plan to attend to make any program adjustments needed and to become familiar with the admissions requirements of that particular university. Other programs are offered at Florida A&M University.

A four year degree could lead to self-employment in the construction field; contract work for a government agency or private business; or employment by a private construction firm or government agency. Individuals are required to pass a state exam and meet all state licensing requirements to become a licensed contractor.

It is recommended that students take CGS1570 Microcomputer Applications as an elective. Students should check with the advisor to investigate other courses that may be taken to facilitate the transfer to the university of their choice. GCSC offers BCN2405, which is a requirement at The University of West Florida; however, students should check with the University prior to taking this course as an elective. Students should set their goals to enter the upper division program in the fall semester in order to get the correct sequence of courses at the university.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*MAC1105, College Algebra	3
	+*MAC1140, Pre-Calculus Algebra	3

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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<b>Natural Sciences Area</b>		
Physical Science	●+PHY2053, College Physics I	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	●ECO2013, Economics, Macro	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	*ACG2001, Financial Accounting I	3
	+STA2023, Statistics	3
	BCN2405, Statics and Strength of Materials	3
	ECO2023, Economics, Micro	3
	BUL2241, Business Law	3
	CGS1570, Microcomputer Applications	3
	+PHY2054, College Physics II	3
	●+*MAC2311, Calculus I or +MAC2233, Calculus for Business	3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives:

- EGN1110C, Engineering Drawing, 3 crs.
- +ARC2312C, Introduction to Building Assembly Modeling, 4 crs.
- #BCT2715, Construction Management, 3 crs.
- BCT2770, Construction Estimating, 3 crs.
- \*GIS2040, Introduction to Geographic Information Systems, 3 crs.
- BCN1230, Materials and Methods, 3 crs.
- +BCN2949, Building Construction CO-OP, 1-3 crs.

**ENGLISH OPTION, LIBERAL ARTS A.A. (ENGL-AA)**

**AREA OF CONCENTRATION:** The purpose of the English transfer track is to prepare students for entry into upper-division studies in English. A Bachelor of Arts in English will prepare students for further studies in English, writing, and literature as well as other graduate programs, including law school. A Bachelor of Arts in English can also pave the way for careers in journalism and other fields that require communications skills. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

<b>Communications Area</b>		<b>Credit Hours</b>
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Electives</b>		24
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives:

- LIN2004, Languages of the World, 3 crs.
- SPC1608, Introduction to Public Speaking, 3 crs.
- CRW2001, Creative Writing I, 3 crs.
- CRW2002, Creative Writing II, 3 crs.

●General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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At least one literature-course series:

AML2010, American Literature through the Civil War, 3 crs. and AML2020, American Literature: Reconstruction to Present, 3 crs.

ENL2012, English Literature Through the Eighteenth Century, 3 crs. and ENL2022, English Literature: Romanticism to Present, 3 crs.

LIT2110, World Literature: Ancient through Renaissance, 3 crs. and LIT2120, World Literature: Enlightenment to Present, 3 crs.

**ENGLISH TEACHER EDUCATION OPTION,  
LIBERAL ARTS A.A.  
(ETCH-AA)**

**AREA OF CONCENTRATION:** The English Teacher Education transfer track prepares students who wish to enter English education programs and become certified to teach English at the middle school and high school levels. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	SPC1608, Introduction to Public Speaking	3
	EDF1005, Introduction to the Teaching Profession	3
<b>Other Requirements</b>		
	EEX2010, Introduction to Exceptional Learners	3
	EME2040, Introduction to Technology for Educators	3
<b>Electives</b>		12
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**ENTOMOLOGY OPTION, LIBERAL ARTS A.A.  
(ENTO-AA)**

**AREA OF CONCENTRATION:** This transfer track prepares students for entering the university as a biology major with emphasis in entomology. Generally, most state universities offer a B.S. or B.A. in biology, but only the University of Florida and Florida A& M University offer specialization in entomology.

	●+*PHY2053, College Physics I	3
	+PHY2053L, College Physics I Lab	1
	ECO2023, Economics, Micro	3
<b>Electives</b>		3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*STA 2023, Statistics	3
	+* MAC1114, Trigonometry	3
<b>Natural Sciences Area</b>		
Physical Science	●+*CHM1045, General Chemistry	3
Biological Science	●+*BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+BSC2010L, Biology for Science Maj. I Lab	1
	+*BSC 2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1
	●+*MAC2311, Calculus I	4
	CHM1045L, General Chemistry Lab	1
	+*CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1

●General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**ENVIRONMENTAL SCIENCE: NATURAL SCIENCE OPTION,  
LIBERAL ARTS A.A.  
(ENVN-AA)**

**AREA OF CONCENTRATION:** This transfer track prepares students to enter environmental science programs having emphasis on the research and field aspects rather than the policy-making aspects of environmental concerns. The Natural Science option has unique prerequisites for the upper division studies. Therefore, it is necessary for students to make themselves aware of each institution's requirements.

	+* PHY2049, University Physics II	4
	+PHY2049L, University Physics II Lab	1
	ECO2023, Economics, Micro	3
<b>Electives</b>		4
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

<sup>1</sup>GCSC strongly recommends that EVR1001 be completed before transferring.

<b>Communications Area</b>		<b>Credit Hours</b>
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*STA 2023, Statistics	3
	+* MAC2312, Calculus II	4
<b>Natural Sciences Area</b>		
Physical Science	•+PHY2048, University Physics I	4
Biological Science	•+*BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•ECO2013, Economics, Macro	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+BSC2010L, Biology for Science Maj. I Lab	1
	+*BSC2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1
	+*CHM1046, Chemistry with Qual Analysis	3
	+CHM1046L, Chemistry with Qual Anal. Lab	1
	+PHY2048L, University Physics I Lab	1

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**ENVIRONMENTAL SCIENCE: POLICY OPTION, LIBERAL ARTS A.A. (ENVP-AA)**

**AREA OF CONCENTRATION:** This transfer track prepares students to enter environmental science programs having emphasis on the policy-making aspects of environmental concerns rather than the research and field aspects. The Policy Option has unique prerequisites for the upper division studies. Therefore, it is necessary for students to make themselves aware of each institution's requirements.

	+*CHM1046L, Chemistry with Qual Anal. Lab	1
	•+*PHY2053, College Physics I	3
	+*PHY2053L, College Physics I Lab	1
	ECO2023, Economics, Micro	3
<b>Electives<sup>1</sup></b>		7
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC1140, Pre-Calculus Algebra	3
	•+*STA2023, Statistics	3
<b>Natural Sciences Area</b>		
Physical Science	•+*CHM1045, General Chemistry	3
Biological Science	•+*BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•ECO2013, Economics, Macro	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+BSC2010L, Biology for Science Maj. I Lab	1
	+*BSC2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1
	CHM1045L, General Chemistry Lab	1
	+*CHM1046, Chemistry with Qual Analysis	3

<sup>1</sup>GCSC strongly recommends that EVR1001 be completed before transferring.

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**FORESTRY OPTION, LIBERAL ARTS A.A.  
(TREE-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to provide students the opportunity to gain knowledge in the disciplines necessary for a career in forestry. A four year degree can lead to careers in forest biology and ecology, forest management, forest products, research, teaching, industry, and environmental projects. This program is designed to provide the course work needed for the first two years based on the forestry program offered at the University of Florida. Students should begin study in Summer A after completing the A.A. degree. A 2.5 GPA is required in all math and science courses. Students should contact the university of their choice as early as possible to obtain information on admissions requirements and to make any necessary program changes.

	CHM1045L, General Chemistry Lab	1
	SPC1608, Introduction to Public Speaking	3
	+BSC2010L, Biology for Science Maj. I Lab	1
	+BSC2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1
	CGS1570, Microcomputer Applications	3
	ECO2023, Economics, Micro	3
<b>Electives</b>		<b>2</b>
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*STA2023, Statistics	3
	●+*MAC2311, Calculus I	4
<b>Natural Sciences Area</b>		
Physical Science	●+CHM1045, General Chemistry	3
Biological Science	●+BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+PHY1023, Survey of General Physics	3
	+*ENC2210, Technical Writing	3

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**GEOLOGY OPTION, LIBERAL ARTS A.A. (GEOL-AA)**

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students for upper division studies in geology, science education, or earth and environmental sciences. Each of these specialties in geology may have unique prerequisites for upper division studies. Therefore, it is necessary for students to make themselves aware of each institution's requirements. State universities offering upper division work in geology are FAU, FIU, FSU, USF, & UF. It is strongly recommended that students be familiar with the admissions requirements of the university they plan to attend.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*MAC2311, Calculus I	4
	+*MAC2312, Calculus II	4
<b>Natural Sciences Area</b>		
Physical Science	●GLY1010, Physical Geology	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	●+*CHM1045, General Chemistry	3
	CHM1045L, General Chemistry Lab	1
	+*CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1
	+*Approved two semester Physics sequence with labs	8-10
<b>Electives</b>		4-6
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**HEALTH EDUCATION OPTION, LIBERAL ARTS A.A. (HLTH-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for a career in health education or other health related fields such as health management, counseling, nutrition and community health. The four-year degree will lead to certification in teaching health education. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend. Students may have additional requirements for admission to a teacher-preparatory program. Please contact a GCSC advisor or the transfer institution for further guidance. The State of Florida requires a thorough background check by the Florida Department of Law Enforcement prior to students entering the classroom for observations. The college requires the submission of written verification of approved and completed background checks before students may complete on-site course requirements. Student observing in school systems must go to the district in which they will do their observations and comply with the requirements of that system. GCSC only has articulation agreements with Gulf, Franklin, and Bay county school districts for observation experiences. The students is responsible for all background check fees.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	●+ BSC2085, Anatomy and Physiology I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3

●General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	EDF1005, Introduction to the Teaching Profession	3
	EEX2020, Introduction to the Teaching Profession	3
	EME2040, Introduction to Technology for Educators	3
	HSC2100, Personal and Community Health	3
	HUN1201, Principles of Nutrition	3
	+BSC2085L, Anatomy and Physiology Lab	1
<b>Electives</b>		8
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Students should coordinate with their advisor to determine which electives will transfer to the four-year institution of their choice. Also, students should fulfill the foreign language requirements, if necessary.

Recommended elective:  
DEP2001, Infant and Child Psychology, 3 crs.

### HEALTH SERVICES ADMINISTRATION OPTION, LIBERAL ARTS A.A. (HSA-AA)

**AREA OF CONCENTRATION:** These programs are designed to prepare students for upper division studies in one of several health fields. It is strongly recommended that students be familiar with the admissions requirements of the university they plan to attend and the particular requirements for the individual program.

		<b>Credit Hours</b>
<b>Communications Area</b>		
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement (FAMU requires MAC2233)	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•PSY2012, General Psychology	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	*ACG2001, Financial Accounting I	3
	+*ACG2011, Financial Accounting II	3
	+*ACG2071, Managerial Accounting	3
	CGS1570, Microcomputer Applications	3

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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	ECO2023, Economics, Micro	3
<b>Electives</b>		9
<b>TOTAL DEGREE HOURS</b>		60

This program is designed to prepare students for upper division studies in health care management at the state universities of FAMU, FAU, FGCU, FIU, UCF, and UNF. Graduates of this bachelor’s degree will be prepared for entry-level management in a health service field.

**HISTORY OPTION, LIBERAL ARTS A.A. (HIST-AA)**

**AREA OF CONCENTRATION:** The purpose of this university transfer track is to contribute to the intellectual development of students by enabling them to better understand themselves in a contemporary world that has been shaped by many aspects of human development from ancient times to the present. The four-year degree offers opportunities in teaching, and careers with historical agencies, museums, or the media. History also provides a strong foundation for those considering law school.

Faculty Advisors: Patrick Brennan, Jennifer Hamilton

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	EUH1000, Western Civilization I or EUH1001, Western Civilization II	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	•@AMH2010, U.S. History I or •@AMH2020, U.S. History II	3
<b>Electives</b>		21
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**LAW**

**AREA OF CONCENTRATION:** Gulf Coast State College students who wish to pursue a career in law require no particular major or transfer track of “law” studies. As undergraduates, students will be steered toward broadly based studies emphasizing analytical reasoning, writing, and oral expression. Students will be expected to show a capacity to perform at an academically rigorous level. Among the many majors approved by the American Bar Association are business, computer science, economics, English, history, linguistics, math, natural sciences, philosophy, political science, psychology, and sociology.

Students may pursue a university transfer track in business, English, or one of the social sciences, or follow the general education curriculum. Students are encouraged to investigate the admissions requirements of the university, baccalaureate degree, and law school they wish to attend.

**LEGAL STUDIES OPTION, LIBERAL ARTS A.A. (LGLS-AA)**

**AREA OF CONCENTRATION:** The Legal Studies university transfer track leads to an Associate in Arts degree, which constitutes the first two years of a Bachelor of Arts or Bachelor of Science degree (a four-year degree). Students may complete the remaining two years of a four-year degree at Florida State University’s Panama City campus or at several of Florida’s major universities. The purpose of this track is to prepare students to continue their educational pursuits which lead to careers in federal law enforcement (Federal Bureau of Investigation; Drug Enforcement Administration; U.S. Marshall’s Service; Bureau of Alcohol, Tobacco and Firearms; Immigration & Naturalization Service; Internal Revenue Service; U.S. Postal Service and the Central Intelligence Agency), as well as careers as prosecuting attorneys, defense attorneys, judges, court administrators, probation and parole officers, and juvenile court case workers.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+* STA2023, Statistics	3
	•+*See General Education Requirement	3
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
Electives		24
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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Recommended electives:

- CCJ1010, Introduction to Criminology, 3 crs.
- CCJ1020, Intro. to Criminal Justice, 3 crs.
- CJL2100, Criminal Law, 3 crs.
- CJL2130, Evidence, 3 crs.
- SYG2000 or •PSY2012, Sociology/Psychology, 3 crs.
- CGS1570, Microcomputer Applications, 3 crs.
- SPN1120, First Year Spanish I, 4 crs.
- +SPN 1121, First Year Spanish II, 4 crs.
- SPC1608, Introduction to Public Speaking, 3 crs.

NOTE: The speech requirement, SPC1608, at the university level is a university graduating requirement, not a university entrance requirement.

**MARINE BIOLOGY OPTION, LIBERAL ARTS A.A. (MBIO-AA)**

**AREA OF CONCENTRATION:** This transfer track prepares students for entering the university as a marine biology major. The curriculum listed below is specifically related to the requirements of the University of West Florida for a B.S. in Marine Biology. The curriculum also meets the requirements for the B.S. and B.A. in biology (with marine biology track) at other state universities. Students should contact the university they plan to attend as soon as possible to determine any specific admissions requirements of that university. Additionally, most universities require one year of a foreign language. See the marine biology advisor for additional information.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*MAC2311, Calculus	4
	+* MAC2312, Calculus II	4
<b>Natural Sciences Area</b>		
Physical Science	•+*CHM1045, General Chemistry	3
Biological Science	•+*BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+BSC2010L, Biology for Science Maj. I Lab	1
	+*BSC2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1
	CHM1045L, General Chemistry I Lab	1

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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	+*CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1
	+*CHM2210, Organic Chemistry I	3
	CHM2210L, Organic Chemistry I Lab	2
	+*CHM2211, Organic Chemistry II	3
	+CHM2211L, Organic Chemistry II Lab	1
<b>Electives</b>		3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**MATHEMATICS OPTION, LIBERAL ARTS A.A. (MATH-AA)**

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students for a career in mathematics. The problem solving skills taught in mathematics prepare students for a great number of job opportunities. A four-year degree could lead to employment in academia, a government agency, or the insurance industry. Examples of job titles of people who have earned a baccalaureate degree or higher in mathematics include computer specialist, investment actuary, cost estimator, financial engineer, and numerical methods programmer/analyst. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*MAC2311, Calculus I	4
	+*MAC2312, Calculus II	4
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement—Note core classes below	3
Biological Science	See General Education Requirement—Note core classes below	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	COP1000, Introduction to Programming Logic	3
	+*MAC2313, Calculus III	4
	+MAP2302, Differential Equations	3

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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	Students must take a science course designed for science majors, with the accompanying lab. Therefore, select one of the following three options to satisfy the Natural Sciences requirement. Option 1 is recommended for FSU-bound students. Option 1: ●+*PHY2048, University Physics I, 4 crs. (approved biological science) +PHY2048L, University Physics I Lab, 1 cr. Option 2: ●+*CHM1045, General Chemistry, 3 crs. (approved biological science) + CHM1045L, General Chemistry I Lab, 1 cr. Option 3: ●+ BSC2010, Biology for Science Majors I, 3 crs. (approved physical science) + BSC2010L, Biology for Science Majors I Lab, 1 cr.	Additional 1-2
Electives		10-11
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives:

+COP2224, Introduction to C++ Programming, 3 crs. (Prior to enrolling in +COP2244, the student should consult with their advisor and/or with their desired four-year school(s), to obtain guidance about whether the course will count toward computer programming requirements at the four-year school.

**MATHEMATICS EDUCATION OPTION, LIBERAL ARTS A.A. (MEDU-AA)**

**AREA OF CONCENTRATION:** The purpose of this university transfer track is to prepare students for a career in teaching secondary school mathematics. The four-year degree will lead to Florida teacher certification. Math Education is a limited access program at most Florida universities. For example, Florida State University requires a 2.5 GPA in the A.A. degree and a score of 960 on the SAT or a 20 on the ACT. In addition to the FSU College of Education criteria, the following also must be met: 1) Complete Calculus II with a "C" or better; 2) a 2.5 GPA; and 3) approval by the department. Students may have additional requirements for admission to a teacher-preparatory program. Please contact a GCSC advisor or the transfer institution for further guidance.

The State of Florida requires a thorough background check by the Florida Department of Law Enforcement prior to students entering the classroom for observations. The college requires the submission of written verification of approved and completed background checks before students may complete on-site course requirements. Student observing in school systems must go to the district in which they will observe and comply with the requirements of that system. GCSC only has articulation agreements with Gulf, Franklin and Bay county school districts for observation experiences. The student is responsible for all background check fees.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+* MAC2311, Calculus I	4
	+*MAC2312, Calculus II	4
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3

•General Education Core.  
+ Prerequisites and/or corequisites required. See course descriptions.  
# Applies only to A.S. degree and certificate programs.  
= Career Certificate course.  
\* Minimum grade of "C" required.  
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<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	EDF1005, Introduction to the Teaching Profession	3
	+MAC2313, Calculus III	4
	+MAP2302, Differential Equations	3
	COP1000, Introduction to Programming Logic	3
<b>Electives</b>		9
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended elective:

EEX2010, Introduction to Exceptional Learners, 3 crs.

+COP2224, Introduction to C++ Programming, 3 crs.

(Prior to enrolling in +COP2244, the student should consult with their advisor and/or with their desired four-year school(s), to obtain guidance about whether the course will count toward computer programming requirements at the four-year school.)

### MEDICAL OPTION, LIBERAL ARTS A.A. (MED-AA)

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students to select an appropriate major, transfer to the university, and to take the MCAT (Medical College Admission Test). Medical schools generally require one year of biology, one year of physics, and two years of chemistry through organic chemistry. Minimum math requirements are dictated by the science courses and areas of emphasis on the MCAT. A student's undergraduate major does not have to be in science, but usually is. Most medical schools are more concerned with the overall scope and quality of a student's undergraduate work, which includes the science GPA and the general GPA. College grades are perhaps the most important single predictor of performance in medical school. Most successful applicants have a GPA in excess of 3.5; at least one semester of calculus; and appropriate employment or volunteer experience. Motivation and humanistic concerns, as well as high levels of scholastic achievement and intellectual potential are qualities necessary for success both as an applicant to medical school and as a physician. Integrity and responsibility are attributes of major importance considered by selection committees. These qualities are measured not only by grades but by recommendations from undergraduate faculty, scores on the MCAT, and interview assessments.

According to MSAR, the large majority of medical schools will not accept on-line courses in fulfillment of required courses. Required courses generally include chemistry, physics, biological sciences, English and mathematics. A significant number of medical schools will not accept on-line courses in the behavioral/social sciences. It is extremely important to remain in contact with the premedical advisor, no matter which school or major is chosen. The Honors Program should be of particular interest to the pre-med student. In rare instances, the Junior Honors Medical Program at the University of Florida may be recommended. State medical schools are located at UF, USF, and FSU. The University of Miami has a private medical school.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	•+*CHM1045, General Chemistry	3
Biological Science	•+*BSC2010, Biology for Science Majors	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+BSC2010L, Biology for Science Maj. I Lab	1
	+*BSC2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1
	CHM1045L, General Chemistry Lab	1
	+*CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1
	+*CHM2210, Organic Chemistry I	3
	+CHM2210L, Organic Chemistry I Lab	1
	+*CHM2211, Organic Chemistry II	3
	+CHM2211L, Organic Chemistry II Lab	1
	+*Approved Physics	4
<b>Elective</b>		2
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**MUSIC OPTION, LIBERAL ARTS A.A. (MUSC-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for a career in music. Music is a limited access program at most universities. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

<b>Communications Area</b>		<b>Credit Hours</b>
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	+MUL2110, Survey of Music Lit	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+MUT1111, Music Theory I	3
	+MUT1112, Music Theory II	3
	+MUT2116, Music Theory III	3
	+MUT2117, Music Theory IV	3
	+MUT1241, Ear Training & Sight Singing I	1
	+MUT1242, Ear Training & Sight Singing II	1

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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	+MUT2246, Ear Training & Sight Singing III	1
	+MUT2247, Ear Training & Sight Singing IV	1
	MVK1111, Class Piano I	1
	+MVK2121, Class Piano II	1
<b>Other Requirements</b>	MUS1010, Recital Class Students should attend and/or participate in at least one recital experience per semester.	0
<b>Electives</b>	Students should select from the following: +Applied Music Prep. (private lessons), 2 crs. each (Open to music and theatre majors ONLY) +Applied Music (private lessons), 2 crs. each (Open to music and theatre majors ONLY) Performance Ensemble, 1 cr. each •MUL2010, Understanding Music, 3 crs.	6
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

### NURSING OPTION, LIBERAL ARTS A.A. (NUR-AA)

**AREA OF CONCENTRATION:** This curriculum is designed to prepare students for entry into a 4-year university bachelor degree nursing (BSN) program. Because nursing is a limited access program at most Florida universities, **students are strongly encouraged to be in close contact with the GCSC nursing program coordinator and a BSN advisor at the university they plan to attend before beginning this course of study.** Students need a clear understanding of the university admission requirements and the difference between AA and AS nursing programs. Completing this AA option will not result in eligibility to sit for the licensing exam to become a registered nurse. Please refer to the A.S. degree option should that be your goal at GCSC.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*STA2023, Statistics	3
	•+*See General Education Requirement	3
<b>Natural Sciences Area</b>		
Physical Science	+CHM1032, Gen, Organic, Biochemistry or higher	3
Biological Science	•+BSC2085, Anatomy and Physiology I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•PSY2012, General Psychology	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+BSC2085L, Anatomy and Physiology I Lab	1
	+BSC2086, Anatomy and Physiology II	3

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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	+BSC2086L, Anatomy and Physiology II Lab	1
	HUN1201, Principles of Nutrition	3
	+MCB2004, Microbiology	3
	+MCB2004L, Microbiology Lab	1
	DEP2004, Developmental Psychology	3
<b>Electives</b>		9
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Most Florida BSN programs require a foreign language prior to entry.

**NUTRITION, FOOD, AND EXERCISE SCIENCE OPTION, LIBERAL ARTS A.A. (NUTS-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for transfer into a baccalaureate program that will prepare students to become dietitians and nutritionists. In addition, the baccalaureate program will also prepare the student for institutional food service administration and product development for the food industry.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*MAC1105, College Algebra	3
	•+*STA2023, Statistics	3
<b>Natural Sciences Area</b>		
Physical Science	•+*CHM1045, General Chemistry	3
Biological Science	•+*BSC2010, Biology for Science Majors	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	•@POS2041, American National Government	3
<b>Additional Common Prerequisites</b>		
	+BSC2010L, Biology for Science Majors I Lab	1
	•+BSC2085, Anatomy and Physiology I	3
	+BSC2085L, Anatomy and Physiology I Lab	1
	+BSC2086, Anatomy and Physiology II	3

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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	+BSC2086L, Anatomy and Physiology II Lab	1
	CHM1045L, General Chemistry Lab	1
	+CHM1046, Gen Chem/Qual Analysis	3
	+CHM1046L, Gen Chem/Qual Analysis Lab	1
	HUN1201, Principles of Nutrition	3
	+MCB2004, Microbiology	3
	+MCB2004L, Microbiology Lab	1
<b>Electives</b>		3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

### OCCUPATIONAL THERAPY OPTION, LIBERAL ARTS A.A. (OCCT-AA)

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students for upper division studies in occupational therapy. Admission to the upper division degree program is highly competitive, and a minimum GPA of 2.5 is required for application at most institutions. Some institutions have higher minimum GPA requirements for applicants. In addition to competitive grades, admission to upper division programs requires volunteer work with certified occupational therapists and successful completion of the courses listed below. After completion of the four-year degree, the prospective occupational therapist must complete a year of internship, during which they must pass a state professional certifying exam. Occupational therapists are employed by hospitals, schools, and mental health facilities to help individuals who are impaired by physical illness, injury, psychological disorder, or developmental disability regain daily living skills and become self-sufficient. State universities having the upper division work include Florida A&M, Florida International University, and Florida Gulf Coast University. The University of Florida offers occupational therapy as a master's program only, as do many other universities. It is important that the student consult the catalog of the university to which transfer is planned.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*MAC2311, Calculus I	4
	•+*MAC1105, College Algebra	3
<b>Natural Sciences Area</b>		
Physical Science	+CHM1025, Introduction to General Chemistry	3
Biological Science	•+*BSC2010, Biology for Science Majors	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•PSY2012, General	3

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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	Psychology	
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History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+BSC2010L, Biology for Science Majors I Lab	1
	●+BSC2085, Anatomy and Physiology I	3
	+BSC2085L, Anatomy and Physiology Lab	1
	+BSC2086, Anatomy and Physiology II	3
	+BSC2086L, Anatomy and Physiology Lab	1
	+BSC2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1
	●+PHY2053, College Physics I	3
	+PHY2053L, College Physics I Laboratory	1
	+*MAC1140, Pre-Calculus Algebra	3
	+*MAC1114, Trigonometry	3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**OPTOMETRY OPTION, LIBERAL ARTS A.A. (OPTO-AA)**

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students who plan to become doctors of optometry. The course-work listed below must be completed prior to applying for admission to optometry school. Although a bachelor's degree is not required for admission to a college of optometry, it is highly recommended. Students may major in any area of studies, but must have an in-depth knowledge of biology and chemistry in order to master the optometry curriculum. Most students elect to major in biology or a related field at the university. Although a student may attend any university for the bachelor's degree, the only school of optometry in Florida at this time is Nova Southeastern University School of Optometry. Seventeen states have schools of optometry, and each school may have slightly different requirements. The student is expected to become familiar with the requirements of the specific school to which admission is sought. The student should see the optometry advisor for additional information concerning admissions requirements and for assistance in selecting the appropriate program.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*STA2023, Statistics	3
	●+*MAC2311, Calculus with Analytic Geometry I	4
<b>Natural Sciences Area</b>		
Physical Science	●+*CHM1045, General Chemistry	3
Biological Science	●+*BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	●PSY2012, General Psychology	3
History	See General Education Requirement	3
Government	See General Education Requirement	3

●General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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<b>Additional Common Prerequisites</b>		
	+BSC2010L, Biology for Science Maj. I Lab	1
	+*BSC2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1
	+CHM1045L, General Chemistry Lab	1
	+*CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1
	+*CHM2210, Organic Chemistry I	3
	+CHM2210L, Organic Chemistry I Lab	1
	+Approved Physics	8
<b>Elective</b>		1
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

### PHARMACY OPTION, LIBERAL ARTS A.A. (PHRM-AA)

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students for upper division studies in pharmacy. Students are expected to complete the A.A. degree at a community college or university before applying for admission to the particular college of pharmacy. In addition to the courses listed below, all colleges of pharmacy require students to have completed the two-semester sequence of organic chemistry with lab (CHM 2210/CHM2210L and CHM2211/CHM2211L) prior admission to the college of pharmacy. Three universities in Florida offer degrees in pharmacy: FAMU, UF, and Nova Southeastern University (private). The older B.S. in pharmacy has been phased out and these universities now offer the Pharm.D. degree, exclusively. Pharmacy programs are highly competitive. Most schools have 110-120 applicant slots, but receive in excess of 500 applications, a number that is increasing yearly. Applicants to pharmacy school are expected to have a minimum GPA of 3.2; however, a higher GPA is necessary for an applicant to be competitive. Those pharmacy schools requiring the PCAT (Pharmacy College Aptitude Test) generally consider a competitive score to be the 85th percentile or better. It is very important to stay in close contact with the academic advisor to plan the curriculum and to address other factors affecting admission.

The University of Florida's School of Pharmacy requires BSC 2085-2086 (with labs) and SPC 1608 in addition to the following courses as pre-admission requirements.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC1140, Pre-Calculus Algebra	3
	●+*MAC2311, Calculus I	4
<b>Natural Sciences Area</b>		
Physical Science	●+*CHM1045, General Chemistry	3

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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Biological Science	•+*BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+BSC2010L, Biology for Science Maj. I Lab	1
	+*BSC2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1
	+CHM1045L, General Chemistry Lab	1
	+*CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1
	•+*PHY2053, College Physics I	3
	+PHY2053L, College Physics I Lab	1
	+*PHY2054, College Physics II	3
	+PHY2054L, College Physics II Lab	1
	+*Approved Organic Chemistry	4
Elective		1
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**PHILOSOPHY OPTION, LIBERAL ARTS A.A. (PHIL-AA)**

**AREA OF CONCENTRATION:** The purpose of this university transfer track is to prepare students for a career in philosophy as an instructor, writer, or director of a humanities program such as in a hospital, library, museum or archives. Students seeking a career in philosophy should plan on pursuing a graduate degree. An undergraduate degree in philosophy is also an excellent background for professional training in law, journalism and theology.

Faculty Advisors: Ryan Hubbard

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Electives</b>		24
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives:

- +PHI2010, Introduction to Philosophy, 3 crs.  
(Meets Humanities, Philosophy/Religion requirement for A.A.)
- +\*PHI2600, Ethics, 3 crs.  
(Meets Humanities, Philosophy/Religion requirement for A.A.)

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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- + PHI2635, Biomedical Ethics, 3 crs.  
(Meets Elective Credit for A.A.)
- PHI2620, Environmental Ethics, 3 crs.  
(Meets Elective Credit for A.A.)
- + PHI2635, Biomedical Ethics, 3 crs.  
(Meets Elective Credit for A.A.)
- + PHI26347, Ethics of Technology, 3 crs.  
(Meets Elective Credit for A.A.)
- + REL2300, Religions of the World, 3 crs.  
(Meets Humanities, Philosophy/Religion requirement for A.A.)
- + REL2315, Eastern Religions, 3 crs.  
(Meets Elective Credit for A.A.)
- EUH1001, Western Civilization II, 3 crs.  
(Meets Social Sciences, History requirement for A.A.)

**PHYSICAL EDUCATION OPTION, LIBERAL ARTS A.A. (PE-AA)**

**AREA OF CONCENTRATION:** The purpose of this university transfer track is to prepare students for a career in teaching physical education in grades K-12 or other related fields such as sports business specialization, fitness management specialization, coaching specialization, and athletic training specialization. Students may have additional requirements for admission to a teacher-preparatory program. Please contact a faculty advisor or the transfer institution for further guidance.

The State of Florida requires a thorough background check by the Florida Department of Law Enforcement prior to students entering the classroom for observations. The college requires the submission of written verification of approved and completed background checks before students may complete on-site course requirements. Student observing in school systems must go to the district in which they will observe and comply with the requirements of that system. GCSC only has articulation agreements with Gulf, Franklin and Bay County school districts for observation experiences. The student is responsible for all background check fees.

Faculty Advisor: Amanda Manning

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	•+BSC2085, Anatomy and Physiology I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	EDF1005, Introduction to the Teaching Profession	3
	EEX2010, Introduction to Exceptional Learners	3
	EME2040, Introduction to Technology for Educators	3
	+BSC2085L, Anatomy and Physiology Lab	1
	HLP1081, Wellness	2
	+BSC2086, Anatomy and Physiology II	3
	+BSC2086L, Anatomy and Physiology Lab	1
	PEN or PEM Activity Classes	2
<b>Electives</b>		6
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**Recommended electives:**

DEP2001, Infant and Child Psychology, 3 crs.  
 (Students should coordinate with their advisor to determine which electives will transfer to the four-year institution of their choice. Also, students should fulfill the foreign language requirements, if necessary.)

**PHYSICAL THERAPY OPTION, LIBERAL ARTS A.A. (PT-AA)**

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students for upper division studies in physical therapy. In Florida, the physical therapy programs are five years in length and lead to M.S. degrees in physical therapy: The UF, FAMU, UCF, UNF, and FIU offer degrees in physical therapy. All schools require that students successfully complete the courses listed below. The programs are highly competitive, so students are advised to maintain a minimum GPA of 3.0, although a higher GPA is needed to meet minimum standards at some of the schools. Students must also complete volunteer time under the supervision of a registered physical therapist. Some schools also require their applicants to take the Allied Health Professions Admissions Test. Check with the program advisor for more details. Graduates from schools of physical therapy are in great demand to manage rehabilitative programs for people suffering from a variety of illnesses and injuries.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC1114, Trigonometry	3
	•+*STA2023, Statistics	3
<b>Natural Sciences Area</b>		
Physical Science	•+*CHM1045, General Chemistry	3
Biological Science	•+*BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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<b>Additional Common Prerequisites</b>		
	+BSC2010L, Biology for Science Maj. I Lab	1
	+*BSC2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1
	+CHM1045L, General Chemistry Lab	1
	+*CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1
	●+*PHY2053, College Physics I	3
	+PHY2053L, College Physics I Lab	1
	+*PHY2054, College Physics II	3
	+PHY2054L, College Physics II Lab	1
	DEP2004, Developmental Psychology	3
	Approved Anatomy and Physiology	2
<b>Elective</b>		1
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

### PHYSICS OPTION, LIBERAL ARTS A.A. (PHYS-AA)

**AREA OF CONCENTRATION:** This transfer track is designed to prepare students entering the university as a physics major. All state public universities offer a B.S. degree in physics. Florida State University also offers a degree in radiation physics, and the University of Florida offers a B.S. degree in Astronomy (which requires the same physics transfer track at Gulf Coast State College). Most university physics programs require a foreign language for which a country speaking that language is also involved in physics research. Students may choose among the following: French, German, Japanese, and Russian. It is strongly recommended that students be familiar with the admissions requirements for the university they plan to attend.

<b>Communications Area</b>		<b>Credit Hours</b>
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*MAC2311, Calculus I	4
	+*MAC2312, Calculus II	4
<b>Natural Sciences Area</b>		
Physical Science	●+*CHM1045, General Chemistry	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+*MAC2313, Calculus III	4
	+CHM1045L, General Chemistry Lab	1

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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	+*CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1
	•+*PHY2048, University Physics I	4
	+PHY2048L, University Physics I Lab	1
	+*PHY2049, University Physics II	4
	+PHY2049L, University Physics II Lab	1
	+*Approved mathematics elective	2
<b>Elective</b>		<b>1</b>
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended mathematics elective:  
MAP2302, Differential Equations, 3 crs.

**POLITICAL SCIENCE OPTION, LIBERAL ARTS A.A. (POLS-AA)**

**AREA OF CONCENTRATION:** The purpose of this university transfer track is to prepare students for political science programs at a college or university. Such a degree can lead to a career in education, government administration, international relations, law, mass communication, and policy institutes. Political Science is not a limited access program at most Florida universities. However, students are encouraged to be familiar with the admissions requirement at the university they plan to attend.

Faculty Advisors: Liz Trentanelli, David Fistein

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	•@POS2041, American National Government or POS2112, State and Local Government	3
<b>Additional Common Prerequisites</b>		
	CPO2002, Comparative Government or INR 2002, International Relations	3
<b>Electives</b>		<b>21</b>
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

•General Education Core.  
+ Prerequisites and/or corequisites required. See course descriptions.  
# Applies only to A.S. degree and certificate programs.  
= Career Certificate course.  
\* Minimum grade of "C" required.  
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**PSYCHOLOGY OPTION, LIBERAL ARTS A.A. (PSYC-AA)**

**AREA OF CONCENTRATION:** This university transfer track is designed to prepare students for completion of an Associate in Arts degree leading to a bachelor’s degree in psychology. The field of psychology concerns the study of behavior and mental processes. This broad focus makes psychology a relevant course of study for any student intending to develop a career in the social and behavioral sciences, not just in psychology. Possible careers that would benefit from completion of a degree in psychology are education, management, medicine, law, counseling, and other human services careers. Psychology is a limited access program at most Florida universities. For example, Florida State University requires an approved A.A. degree, a minimum GPA of 2.6 or better in all attempted courses, and completion with a “C” or better of an introductory statistics course, along with additional specific requirements, as listed below. Students are strongly encouraged to be familiar with the admissions requirements at the university they plan to attend and to meet with their faculty advisor within the first semester of attending GCSC.

Faculty Advisors: Melanie Pelton

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
Humanities Area		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
Mathematics Area		
	●+*See General Education Requirement	3
	●+*STA2023, Elementary Statistics or +*STA2122, Statistical Applications in Social Sciences I	3
Natural Sciences Area		
Physical Science	See General Education Requirement	3
Biological Science	●+BSC1005, Biology or +BSC2010, Biology for Science Majors I	3
Social Sciences Area		

Behavioral Sciences	●PSY2012, Psychology	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
Additional Common Prerequisites		
	CLP1001, Psychology of Adjustment or CLP2140, Foundations of Abnormal Psychology, DEP2001, Infant and Child Psychology, DEP2004, Developmental Psychology	3
Electives		21
TOTAL DEGREE HOURS		60

Recommended electives:

- CLP1001, Psychology of Adjustment
- CLP2140, Foundations of Abnormal Psychology
- DEP2001, Infant and Child Psychology
- DEP2004, Developmental Psychology
- LIT2380, Women in Literature
- SPC1608, Introduction to Public Speaking

NOTE: Florida State University requires one foreign language through the first semester of the second year (e.g., Second-Year Spanish I) which will also fulfill the Area II Humanities requirement. If you had two years of a single foreign language in high school, you may be able to begin the second year, first semester foreign language. See your foreign language instructor for details and permission. Florida State University also requires SPC1608, Introduction to Public Speaking. FSU requires psychology students to take STA2122. If you have taken the required six hours of mathematics for the AA at Gulf Coast and have not taken this course, FSU will give you upper-level credit for the course when you complete it. FSU also requires a diversity course, such as LIT 2380 Women in Literature.

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**RECREATION: LEISURE SERVICES MANAGEMENT OPTION, LIBERAL ARTS A.A., (RECR-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for a career in leisure services. The four-year universities and colleges offer a variety of leisure services programs including resort and commercial recreation, corporate and industrial recreation, fitness management, municipal and county recreation, therapeutic recreation, and teacher certification. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•ECO2013, Principles of Economics, Macro	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	DEP2004, Developmental Psychology	3
	CGS1570, Microcomputer Applications	3
	MAN2021, Principles of Management	3
	MAR2011, Marketing	3
	SPC1608, Introduction to Public Speaking	3
<b>Electives</b>		9
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

(Students should coordinate with their advisor to determine which electives will transfer to the four-year institution of their choice and fulfill the foreign language requirement, if necessary.)

**RELIGION OPTION, LIBERAL ARTS A.A. (RELG-AA)**

**AREA OF CONCENTRATION:** The purpose of this university transfer track is to prepare students for careers in religious service or scholarship. Most students majoring in religious studies complete their training in seminaries or graduate schools with religion or theology programs of study. Students are encouraged to be familiar with the admissions requirements at the university or seminary they plan to attend. Students are strongly encouraged to complete two years of foreign language courses at Gulf Coast State College in preparation for later studies.

Faculty Advisor: Jennifer Hamilton

		Credit Hours
<b>Communications Area</b>		
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Electives</b>		
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives:

- ANT2000, Anthropology, 3 crs.  
(Meets Social Sciences, Behavioral Sciences requirement for A.A.)
- EUH1001, Western Civilization II  
(Meets Social Sciences, History requirement for A.A.)
- SYG2000, Sociology, 3 crs.  
(Meets Social Sciences, Behavioral Sciences requirement for A.A.)
- +\*REL2121, Religion in American Life, 3 crs.  
(Meets Humanities, Philosophy/Religion requirement for A.A.)
- +\* REL2300, Religions of the World, 3 crs.  
(Meets Humanities, Philosophy/Religion requirement for A.A.)
- + REL2315, Eastern Religions, 3 crs.
- +\*PHI2010, Introduction to Philosophy, 3 crs.  
(Meets Humanities, Philosophy/Religion requirement for A.A.)

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**RESPIRATORY CARE OPTION, LIBERAL ARTS A.A.  
(RET-AA)**

**AREA OF CONCENTRATION:** To prepare students to enter a baccalaureate cardiopulmonary science degree program at a university.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC1114, Plane Trigonometry	3
	+*MAC1140, Pre-Calculus Algebra	3
<b>Natural Sciences Area</b>		
Physical Science	•+PHY2053, College Physics I	3
Biological Science	•+BSC2085, Anatomy and Physiology I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+BSC2085L, Anatomy and Physiology I Lab	1
	+BSC2086, Anatomy and Physiology II	3
	+BSC2086L, Anatomy and Physiology II Lab	1
	+PHY2053L, College Physics I Lab	1
	•+BSC2010, Biology for Science Majors	3
	+BSC2010L, Biology for Science Majors Lab	1
	+MCB2004, Microbiology	3

	+MCB2004L, Microbiology Lab	1
	•+CHM1045, General Chemistry	3
	+CHM1045L, General Chemistry Lab	1
	SPC1608, Introduction to Public Speaking	3
	CGS1570, Microcomputer Applications	3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Completing this A.A. option will not result in eligibility to sit for the licensing exam to become a registered respiratory therapist. Please refer to the A.S. degree option for Respiratory Care should that be your goal at Gulf Coast State College.

**PRIMARY ADVISOR:** Jennifer Barber, (850) 872-3837

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**SCIENCE EDUCATION OPTION, LIBERAL ARTS A.A.**

**AREA OF CONCENTRATION:** These university transfer tracks are designed to prepare students for upper division studies in one of several fields in science education. The completion of the four-year program in science education will lead to Florida certification in high school science. Students may have additional requirements for admission to a teacher-preparatory program. Please contact a faculty advisor or the transfer institution for further guidance.

The State of Florida requires a thorough background check by the Florida Department of Law Enforcement prior to students entering the classroom for observations. The college requires the submission of written verification of approved and completed background checks before students may complete on-site course requirements. Student observing in school systems must go to the district in which they will observe and comply with the requirements of that system. GCSC only has articulation agreements with Gulf, Franklin and Bay County school districts for observation experiences. The student is responsible for all background check fees.

Faculty Advisor: Amanda Manning

**SCIENCE EDUCATION  
BIOLOGY COMPONENT (SCED-AA)**

		Credit Hours
<b>Communications Area</b>		
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC1140, Pre-Calculus Algebra	3
	+*MAC1114, Trigonometry	3
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement Below	
Biological Science	•+*BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•PSY2012, General Psychology	3
History	EUH1000 or 1001, Western Civilization	3
Government	•@POS2041, American National Government	3

Additional Common Prerequisites		
	EDF1005, Introduction to the Teaching Profession	3
	EEX2010, Introduction to Exceptional Learners	3
	EME2040, Introduction to Technology for Educators	3
	SPC1608, Introduction to Public Speaking	3
	+BSC2010L, Biology for Science Maj. I Lab	1
	+*BSC2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1
	Students must select one of the following two-semester sequences (Meets physical science requirement.) •+*CHM1045, General Chemistry, 3 crs. +CHM1045L, General Chemistry Lab, 1 cr. +* CHM1046, Chemistry with Qual. Analysis, 3 crs. +CHM1046L, Chemistry with Qual. Anal. Lab, 1 crs. or •+*PHY2053, College Physics I, 3 crs. + PHY2053L, College Physics I Lab, 1 cr. +* PHY 2054, College Physics II, 3 crs. +PHY2054L, College Physics II Lab, 1 cr.	8
<b>Electives</b>		2
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**CHEMISTRY COMPONENT (SCHM-AA)**

		<b>Credit Hours</b>
<b>Communications Area</b>		
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC1140, Pre-Calculus Algebra	3
	+*MAC1114, Trigonometry	3
<b>Natural Sciences Area</b>		
Physical Science	●+*CHM1045, General Chemistry	3
Biological Science	See General Education Requirement Below	
<b>Social Sciences Area</b>		
Behavioral Sciences	●PSY2012, General Psychology	3
History	EUH1000 or 1001, Western Civilization	3
Government	●@POS2041, American National Government	3
<b>Additional Common Prerequisites</b>		
	EDF1005, Introduction to the Teaching Profession	3
	EEX2010, Introduction to Exceptional Learners	3
	EME2040, Introduction to Technology for Educators	3
	SPC1608, Introduction to Public Speaking	3
	+CHM1045L, General Chemistry Lab	1
	+* CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1

Students must select one of the following two-semester sequences

- +\*BSC2010, Biology for Science Majors I, 3 crs.
- +BSC2010L, Biology of Science Majors I Lab, 1 cr.
- +\* BSC 2011, Biology for Science Majors II, 3 crs.
- +BSC2011L, Biology of Science Majors II Lab, 1 cr.

**or**

- +\*PHY2053, College Physics I, 3 crs.
- + PHY2053L, College Physics I Lab, 1 cr.
- +\* PHY2054, College Physics II, 3 crs.
- + PHY2054L, College Physics II Lab, 1 cr.

(If students do not take the BSC2010 sequence above, then they must take BSC1005 or approved biology to meet the biology requirement for the A.A.)

8

<b>Electives</b>		2
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**EARTH/SPACE COMPONENT (SEAR-AA)**

		Credit Hours
<b>Communications Area</b>		
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC1140, Pre-Calculus Algebra	3
	+*MAC1114, Trigonometry	3
<b>Natural Sciences Area</b>		
Physical Science	•OCE1001, Oceanography	3
Biological Science	See General Education Requirement Below	
<b>Social Sciences Area</b>		
Behavioral Sciences	•PSY2012, General Psychology	3
History	EUH1000 or 1001, Western Civilization	3
Government	•@POS2041, American National Government	3
<b>Additional Common Prerequisites</b>		
	EDF1005, Introduction to the Teaching Profession	3
	EEX2010, Introduction to Exceptional Learners	3
	EME2040, Introduction to Technology for Educators	3
	SPC1608, Introduction to Public Speaking	3
	•GLY1010, Geology	3
	Science Elective	2 or 3
	Students must select one of the following two-semester sequences •+*BSC2010, Biology for Science Majors I, 3 crs. +BSC2010L, Biology for Science Majors I Lab, 1 cr. +* BSC2011, Biology for	7 or 8

	Science Majors II, 3 crs. +BSC2011L, Biology for Science Majors II Lab, 1 cr. <b>or</b> •+*CHM1045, General Chemistry, 3 crs. +CHM1045L, General Chemistry Lab, 1 cr. +* CHM 1046, Chemistry with Qual. Analysis, 3 crs. +CHM1046L, Chemistry with Qual. Anal. Lab, 1 crs. <b>or</b> •+*PHY2053, College Physics I, 3 crs. + PHY2053L, College Physics I Lab, 1 cr. +* PHY2054, College Physics II, 3 crs. +PHY2054L, College Physics II Lab, 1 cr. (If students do not take the BSC2010 sequence above, then they must take BSC1005 or approved biology to meet the biology requirement for the A.A.)	
<b>Elective</b>		2
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**MIDDLE GRADES COMPONENT (SCMD-AA)**

**AREA OF CONCENTRATION:** This university transfer track is designed to prepare students for upper division studies in science education suitable for teaching in middle schools. The completion of the four-year science education program designed for this grade level will lead to Florida certification in middle school science. Students may have additional requirements for admission to a teacher-preparatory program. Please contact a GCSC advisor or the transfer institution for further guidance.

The State of Florida requires a thorough background check by the Florida Department of Law Enforcement prior to students entering the classroom for observations. The college requires the submission of written verification of approved and completed background checks before students may complete on-site course requirements. Student observing in school systems must go to the district in which they will observe and comply with the requirements of that system. GCSC only has articulation agreements with Gulf, Franklin and Bay county school districts for observation experiences. The student is responsible for all background check fees.

Faculty Advisor: Amanda Manning

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
Humanities Area		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
Mathematics Area		
	•+*See General Education Requirement	6
Natural Sciences Area		
Physical Science	•OCE1001, Oceanography	3
Biological Science	•+*BSC2010, Biology for Science Majors I	3
Social Sciences Area		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3

Government	See General Education Requirement	3
Additional Common Prerequisites		
	EDF1005, Introduction to the Teaching Profession	3
	EEX2010, Introduction to Exceptional Learners	3
	EME2040, Introduction to Technology for Educators	3
	•GLY1010, Geology	3
	+BSC2010L, Biology for Science Majors I Lab	1
	Students must also complete one of the following two-semester sequences in science: •+*PHY2053/L, College Physics I and Lab (4 crs.) and +*PHY2054/L, College Physics II and Lab (4 crs.) or •+*CHM1045/L, General Chemistry (4 crs.) and +* CHM1046/L, General Chemistry and Qualitative Analysis (5 hrs.)	8
Electives		3
TOTAL DEGREE HOURS		60

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**PHYSICS COMPONENT (SPHY-AA)**

		<b>Credit Hours</b>
<b>Communications Area</b>		
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC1140, Pre-Calculus Algebra	3
	+*MAC1114, Trigonometry (Meets math requirement for A.A.)	3
<b>Natural Sciences Area</b>		
Physical Science	•+*PHY2053, College Physics I	3
Biological Science	See General Education Requirement Below	
<b>Social Sciences Area</b>		
Behavioral Sciences	•PSY2012, General Psychology	3
History	EUH1000 or 1001, Western Civilization	3
Government	•@POS2041, American National Government	3
<b>Additional Common Prerequisites</b>		
	EDF1005, Introduction to the Teaching Profession	3
	EEX2010, Introduction to Exceptional Learners	3
	EME2040, Introduction to Technology for Educators	3
	SPC1608, Introduction to Public Speaking	3
	+ PHY2053L, College Physics I Lab	1
	+* PHY2054, College Physics II	3
	+PHY2054L, College Physics II Lab	1
	Students must select one	8

	of the following two-semester sequences: •+*BSC2010, Biology for Science Majors I, 3 crs. +BSC2010L, Biology for Science Majors I Lab, 1 cr. +* BSC 2011, Biology for Science Majors II, 3 crs. +BSC2011L, Biology for Science Majors II Lab, 1 cr. <b>or</b> •+*CHM1045, General Chemistry, 3 crs. +CHM1045L, General Chemistry Lab, 1 cr. +* CHM1046, Chemistry with Qual. Analysis, 3 crs. +CHM1046L, Chemistry with Qual. Anal. Lab, 1 cr. (If students do not take the BSC2010 sequence above, then they must take BSC1005 or approved biology to meet the biology requirement for the A.A.)	
<b>Electives</b>		2
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**SOCIAL STUDIES EDUCATION OPTION, LIBERAL ARTS A.A. (SSED-AA)**

**AREA OF CONCENTRATION:** The purpose of this university transfer track is to prepare students for a teaching career in middle school or high school. The four-year degree will lead to Florida certification for grades 6-12. Social studies education at Florida universities is a limited access program. Students are encouraged to become familiar with the admissions requirements at the university they plan to attend. Students may have additional requirements for admission to a teacher-preparatory program. Please contact a faculty advisor or the transfer institution for further guidance.

The State of Florida requires a thorough background check by the Florida Department of Law Enforcement prior to students entering the classroom for observations. The college requires the submission of written verification of approved and completed background checks before students may complete on-site course requirements. Student observing in school systems must go to the district in which they will observe and comply with the requirements of that system. GCSC only has articulation agreements with Gulf, Franklin and Bay County school districts for observation experiences. The student is responsible for all background check fees.

Faculty Advisor: Amanda Manning

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•PSY2012, Psychology or •ANT2000, Introduction	3

	to Anthropology	
History	EUH1000, Western Civilization I or EUH1001, Western Civilization II	3
Government	•@POS2041, American National Government	3
<b>Additional Common Prerequisites</b>		
	•@AMH2010, U.S. History I	3
	•@AMH2020, U.S. History II	3
	EDF1005, Introduction to the Teaching Profession	3
<b>Other Requirements</b>		
	EME2040, Introduction to Technology for Educators	3
	EEX2010, Introduction to Exceptional Learners	3
<b>Electives</b>		
		9
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives:

- ECO2013 or ECO2023, Economics Macro/Micro, 3 crs.
- SPC1608, Introduction to Public Speaking, 3 crs.
- DEP2001, Infant and Child Psychology, 3 crs.

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**SOCIAL WORK OPTION, LIBERAL ARTS A.A. (SCWK-AA)**

**AREA OF CONCENTRATION:** The purpose of this university transfer track is to prepare students for a career in the helping and or counseling and mental health care professions. A title of Generalist Social Worker can be earned with the Bachelors of Social Work (BSW) degree and can be completed at the FSU Panama City Campus. In addition to completion of the BSW, a Master’s Degree (MSW) can be obtained at the FSU-PC campus and can help prepare students for state licensure at the Licensed Clinical Social Workers (LCSW) level. Both the bachelor’s and master’s degrees will require internships at one of the local mental health agencies in addition to course work. It is highly recommended that students become familiar with the admissions requirements at the university or college they plan to attend.

Faculty Advisor: Jason Wenzel

<b>Additional Common Prerequisites</b>		
	•ECO2013, Economics, Macro or ECO2023, Economics, Micro	3
	SYG2000, Principles of Sociology or SYG2010, Social Problems	3
<b>Electives</b>		18
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**Recommended electives:**

- CLP2140, Foundations of Abnormal Psychology, 3 crs.
- SOW2020, Introduction to Social Work, 3 crs.
- SYG2430, Marriage and Family Living, 3 crs.

<b>Communications Area</b>		<b>Credit Hours</b>
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	•BSC1005, General Biological Science, •BSC2010, Biology for Science Majors I, or •BSC2085, Human Anatomy and Physiology	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•PSY2012, General Psychology	3
History	See General Education Requirement	3
Government	•@POS2041, American National Government	3

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**SOCIOLOGY OPTION, LIBERAL ARTS A.A. (SOCI-AA)**

**AREA OF CONCENTRATION:** The purpose of this university transfer track is to prepare students for a career in the broad discipline of sociology. The discipline of sociology primarily concerns itself with patterns of group and organizational behavior; social interaction; changes in the character, size, distribution, and population of society; the structure and operation of organization; social phenomena having to do with human health and disease; and the complex interrelationship of the individuals as well as society. Sociological practitioners work everywhere from teaching, counseling, and marketing to public health, social work, community planning, industry, consumer safety, and employee relations. It is highly recommended that students become familiar with the admissions requirements at the university or college they plan to attend.

Faculty Advisor: Jason Wenzel

**Recommended electives:**

ANT2410, Cultural Anthropology, 3 crs.  
SYG2000, Principles of Sociology

Communications Area		Credit Hours
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	●ANT2000, Introduction to Anthropology	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	SYG2010, Social Problems or SYG2430, Marriage and Family Living	3
Electives		21
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**SPANISH LANGUAGE OPTION, LIBERAL ARTS A.A. (SPAN-AA)****Recommended elective:**

LIN2004, Languages of the World, 3 crs.

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for careers in Spanish language, literatures, and linguistics. The track includes courses which are required for an A.A. degree as well as Spanish courses. Students who know what area they will concentrate in at the university level should use their elective credits to meet the appropriate prerequisites for those programs. Students who enter the program at the second-year level will use the eight credits not needed for foreign language as electives to prepare for university requirements. Therefore, students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	SPN1120, First-Year Spanish I	4
	+SPN1121, First-Year Spanish II	4
	+SPN2200, Second-Year Spanish I	4
	+SPN2201, Second-Year Spanish II	3
<b>Electives</b>		9
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**SPANISH LANGUAGE TEACHER EDUCATION OPTION, LIBERAL ARTS A.A. (SPAT-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for careers in teaching. The track includes courses which are required for an A.A. degree, education prerequisites, and foreign language courses. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

<b>Other Requirements</b>		
	EEX2010, Introduction to Exceptional Learners	3
	EME2040, Introduction to Technology for Educators	3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Faculty Advisor: Amanda Manning

<b>Communications Area</b>		<b>Credit Hours</b>
	●+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	●+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	SPN1120, First-Year Spanish I	4
	+SPN1121, First-Year Spanish II	4
	+SPN2200, Second-Year Spanish I	4
	+SPN2201, Second-Year Spanish II	3
	EDF1005, Introduction to the Teaching Profession	3

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**SPECIAL EDUCATION OPTION, LIBERAL ARTS A.A. (CASE-AA)**

**AREA OF CONCENTRATION:** The purpose of this university transfer track is to prepare students for a career in teaching children and youth who are intellectually, emotionally, or behaviorally disabled. Special education is a limited access program at most Florida universities. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend. Students may have additional requirements for admission to a teacher-preparatory program. Please contact a faculty advisor or the transfer institution for further guidance.

The State of Florida requires a thorough background check by the Florida Department of Law Enforcement prior to students entering the classroom for observations. The college requires the submission of written verification of approved and completed background checks before students may complete on-site course requirements. Student observing in school systems must go to the district in which they will observe and comply with the requirements of that system. GCSC only has articulation agreements with Gulf, Franklin and Bay County school districts for observation experiences. The student is responsible for all background check fees.

Faculty Advisor: Amanda Manning

Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	EDF1005, Introduction to the Teaching Profession	3
	EEX2010, Introduction to Exceptional Learners	3
	EME2040, Introduction to Technology for Educators	3
<b>Electives</b>		15
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives:

- SPC1608, Introduction to Public Speaking, 3 crs.
- DEP2001, Infant and Child Psychology, 3 crs.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**SPORTS MEDICINE/ATHLETIC TRAINER OPTION, LIBERAL ARTS A.A. (SMAT-AA)**

**AREA OF CONCENTRATION:** This transfer track prepares students for entering upper-division studies in sports medicine and athletic training. The completion of the four-year program will prepare students for working with injury prevention and recognition, immediate care, rehabilitation, health care management, and professional development in a sports medicine environment. Students pursuing the athletic training option are required to pass The National Athletic Trainers' Association Board of Certification (NATABOC).

The Florida State University's College of Human Sciences offers a degree in Nutrition, Food, and Exercise Services. There are four areas of emphasis from which to choose: exercise physiology, fitness, physical therapy, and sports medicine (athletic training).

The University of Florida's College of Health and Human Performance offers a degree in Exercise and Sports Sciences (ESS). Specializations include Fitness/-Wellness, Sports Management, Athletic Training, preparation of physical education teachers and coaches, and exercise physiology.

Students interested in using this program to gain admission to medical school should consult the medical advisor for help in determining the appropriate sequence of courses.

It is strongly recommended that students be familiar with the admission requirements of the university they plan to attend.

<b>Communications Area</b>	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*STA2023, Statistics	3
	+*MAC1114, Plane Trigonometry	3
<b>Natural Sciences Area</b>		
Physical Science	•+*CHM1045, General Chemistry (or higher level)	3
Biological Science	•+*BSC2010, Biology for Science Majors I	3

<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+BSC2010L, Bio for Science Majors I Lab	1
	•+*BSC2085, Anatomy and Physiology I	3
	+BSC2085L, Anatomy and Physiology I Lab	1
	+*BSC2086, Anatomy and Physiology II	3
	+BSC2086L, Anatomy and Physiology II Lab	1
	+*CHM1045L, General Chemistry Lab	1
	•+ PHY2053, College Physics I	3
	+ PHY2053L, College Physics I Lab	1
	HUN1201, Principles of Nutrition	3
	+*MAC1140, Precalculus Algebra	3
<b>Electives</b>		4
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Recommended electives: PEM or PEN Activity Class

• General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**THEATRE OPTION, LIBERAL ARTS A.A.  
(THET-AA)**

**AREA OF CONCENTRATION:** The purpose of this transfer track is to prepare students for a career in theatre arts. Theatre is a limited access program at most universities. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

	+TPA1290L, Technical Theatre Lab	2
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	•THE2000, Understanding Theatre	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Requirement	6
<b>Natural Sciences Area</b>		
Physical Science	See General Education Requirement	3
Biological Science	See General Education Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3
<b>Additional Common Prerequisites</b>		
	+THE2305, Script Analysis	3
	TPP2110, Acting I	3
	+TPP2111, Acting II	3
	+*TPA1210, Stagecraft I	3
	TPP2250, Introduction to Musical Theatre	3
	TPP1700, Voice Techniques for the Theatre	3
	TPP1500, Movement Techniques for the Theatre	3
	THE1925, Play Production	1

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**VETERINARY MEDICINE OPTION, LIBERAL ARTS A.A. (VET-AA)**

**AREA OF CONCENTRATION:** This transfer track is designed for students seeking admission to a program of veterinary medicine. The College of Veterinary Medicine at the University of Florida requires 80 semester hours of college-level course work before entering. However, most successful applicants have completed a bachelor's degree. Most veterinary medicine programs require applicants to have taken the Graduate Record Examination (GRE). Grades of C or better are required on all professional courses; however, most successful applicants have a GPA in excess of 3.5. Academic performance, approved work experience, and professional potential are all considered by selection committees as they review applicants for veterinary medicine. Pre-vet students are urged to review the entrance requirements for the veterinary program of their choice. Students are strongly urged to see the pre-vet advisor for assistance in determining appropriate work experience, course selections, and residency requirements.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
	+*ENC1102, English II	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Requirement	3
Philosophy/Religion	+*See General Education Requirement	3
Literature	+*See General Education Requirement	3
<b>Mathematics Area</b>		
	+*MAC1114, Trigonometry	3
	•+*MAC2311, Calculus I	4
<b>Natural Sciences Area</b>		
Physical Science	•+*CHM1045, General Chemistry	3
Biological Science	•+*BSC2010, Biology for Science Majors I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	See General Education Requirement	3
History	See General Education Requirement	3
Government	See General Education Requirement	3

<b>Additional Common Prerequisites</b>		
	+BSC2010L, Biology for Science Maj. I Lab	1
	+*BSC2011, Biology for Science Majors II	3
	+BSC2011L, Biology for Science Maj. II Lab	1
	+CHM1045L, General Chemistry Lab	1
	+*CHM1046, Chemistry with Qual. Analysis	3
	+CHM1046L, Chemistry with Qual. Anal. Lab	1
	+*CHM2210, Organic Chemistry I	3
	+CHM2210L, Organic Chemistry I Lab	1
	+*CHM2211, Organic Chemistry II	3
	+CHM2211L, Organic Chemistry II Lab	1
<b>Electives</b>		5
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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## Workforce Degree Programs

Gulf Coast State College offers a number of specialized programs designed to provide a student with the skills and credentials necessary to enter a specific field of employment.

The college offers instructional programs that are classified in the following manner:

Associate in Science Degree  
Applied Technology Diploma  
College Credit Certificate  
Technical Certificate  
Advanced Technical Certificate  
Career Certificate

Each of these educational pathways is discussed in further detail below.

### The Associate in Science Degree

The associate in science degree program is designed to prepare students for a career that requires study beyond the high school level but does not require a four-year degree. Although not designed to transfer to the university, in some cases an associate in science degree may transfer to the university as part of a statewide articulation agreement (see Associate in Science Degrees). However, the intent of these programs is to prepare the graduate to enter the workforce.

The associate in science degree requires that a student meet a minimum level of mathematics proficiency for graduation purposes. This minimum level, if not otherwise stated in the specific degree program, is placement in MAT1033 (Intermediate Algebra). If a student's degree program does not require mathematics, the student must either 1) achieve a score of 72 on the elementary algebra portion of the College Placement Test, 2) achieve a score of 19 on the mathematics portion of the ACT, 3) achieve a score of 440 on the quantitative portion of the SAT, or 4) achieve a grade of C or higher in MAT0024.

All degree programs offered at GCSC require a core of general education courses. The general education component is intended to enhance a student's ability to communicate effectively, appreciate cultural differences, think critically, and collaborate successfully. Student Learning Outcomes for the General Education Core are as follows:

### General Education Core Outcomes for Workforce Degree Students

The associate in science requires a minimum of 15 hours of general education core courses. The following general education core outcomes reflect a synthesis of what is

expected of students completing the associate in science (A.S.) degree.

**Communication.** Students will be able to:

- Demonstrate control of grammar and the standard rules of written English
- Write effective essays
- Demonstrate the ability to access, interpret, and evaluate information (**Information Literacy**)

**Cultural Appreciation.** Students will be able to:

- Describe the cultural forces affecting the traditions of visual art, theatre, or music

**Critical Thinking.** Students will be able to:

- Analyze complex situations, solve problems, and assess actions

**Collaboration.** Students will be able to:

- Describe their roles as members of a broader community
- Demonstrate the ability to work effectively as a group member

## GENERAL EDUCATION COURSES

### Communications Area (3 crs.)

- \* ENC1101, English Composition I, (3 crs.)
- \* ENC1101C, Enhanced English Composition I, (4 crs.)

### Humanities Area (3 crs.)

#### Discipline: Visual & Performing Arts

- ARH2000, Understanding Visual Arts
- MUL2010, Understanding Music
- THE2000, Understanding Theatre

#### Discipline: Philosophy/Religion

- +\*HUM2020, Introduction to Humanities
- +\*PHI2010, Introduction to Philosophy

#### Discipline: Literature

(Students must complete ENC1102 with a minimum grade of "C")

- +\*LIT2000, Literature and Culture

### Mathematics Area (3crs.)

- +\*MAC1105, College Algebra
- +\* MAC2311, Calculus with Analytical Geometry I
- +\*MGF1130, Mathematical Thinking
- +\*STA2023, Statistics

### Natural Sciences Area (3 crs.)

#### Discipline: Physical Sciences

- AST1002, Descriptive Astronomy
- CHMX020, Chemistry for Liberal Studies
- +CHM1045, General Chemistry
- ESC2000, Earth and Space Science Survey

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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- EVR1001, Introduction to Environmental Science
- GLY1010, Physical Geology
- OCE1001, Fundamentals of Oceanography
- PHY1020, Basic Concepts of Physics
- + PHY2048, University Physics I
- + PHY2053, College Physics I

**Discipline: Biological Sciences**

- BSC1005, General Biological Science
- + BSC2010, Biology for Science Majors I
- + BSC2085, Human Anatomy and Physiology I

**Social Sciences Area (3 crs.)**

**Discipline: Behavioral Sciences**

- ANT2000, Introduction to Anthropology
- ECO2013, Principles of Economics, Macro
- PSY2012, General Psychology

**Discipline: History**

- @ AMH2010, United States History I
- @ AMH2020, United States History II

**Discipline: Government**

- @ POS2041, American National Government

New students who were initially admitted as first-time-in-college students in fall 2014 or thereafter, pursuant to s. 1007.25, F.S., must meet foreign language competency as specified in s. 1007.262, F.S. This competency is ordinarily demonstrated through completion of two credits of sequential high school foreign language OR successful completion of two semesters of foreign language at the postsecondary level.

All A.S. students entering a Florida College System institution in Fall 2022 and thereafter, are required to meet civics literacy requirements by passing either AMH2020 or POS2041 and passing the Florida Civics Literacy Examination (FCLE). Students may also demonstrate competency through completion of AP Government and Politics: United States, AP United States History, or CLEP: American Government examination. AICE: U.S. History (1840 – 1990) meets the civics literacy course requirement only. Students receiving course credit for this exam will be required to pass the FCLE. High school students who take the U.S. Government course and pass the FCLE will have met the postsecondary civic literacy assessment requirement. Students who have previously achieved a passing score on an approved assessment or passed an approved course will have met the assessment requirement or coursework requirement, respectively, and will not be required to re-take the assessments or courses.

**General Education Digital Badge Series**

Florida public postsecondary institutions now offer students an Effective Communication digital badge. With this badge, you will be able to not only enhance your personal communication skills but also convey to future employers that you have acquired vital skills needed for professional success. 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 texts.

How to earn the Effective Communication digital badge:

- Enroll in ENC 1101 or ENC1101C or a course in which ENC1101 or ENC1101C is a prerequisite
- Successfully complete the course with a grade of “C” or higher
- Digital badge will automatically be awarded and added to your FASTER (Florida Automated System for Transferring Educational Records) transcript

By completing the college course associated with this badge, you will demonstrate information literacy, comprehension of rhetorical purposes and audiences. Some of the learning outcomes associated with the college course that results in the Effective Communication digital 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

**Associate in Science (A.S.) Degrees**

The Associate in Science degree consists of a minimum of 60 college-level semester hours with at least 15 semester hours of General Education Core courses. The General Education Core courses are chosen for their appropriateness for each degree and represent courses from each of the following disciplines: humanities/fine arts, natural science/mathematics, behavioral science/social science and communications.

**Certificate Programs**

Certificate Programs are highly specialized programs that vary in length as indicated by state frameworks and prepare a student for immediate employment in a particular field.

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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## Applied Technology Diploma and College Credit Certificates

These certificate programs consist of coursework that is a portion of a specific Associate in Science degree. Completion of this coursework indicates that a student has acquired specific skills necessary for employment.

## Advanced Technical Certificates

These certificate programs are designed for students who currently hold an Associate in Science or Associate in Applied Science degree and are pursuing a specialization in a specific area within their degree.

Students may pursue the following programs:

- Accounting Technology
  - Accounting Applications
- Architectural Design and Construction Technology
- Business Administration and Management
  - Business Specialist
- Criminal Justice Technology
- Culinary Management
  - Chef's Apprentice
  - Culinary Arts
- Cybersecurity
- Dental Hygiene
- Digital Media/Multimedia Technology
  - Digital Media/Multimedia Production
  - Digital Media/Multimedia Video Production
  - Digital Media/Multimedia Web Production
- Early Childhood Education
  - Florida Child Care Professional Credential
- Emergency Medical Services
  - Emergency Medical Technician (Applied Technology Diploma)
  - Paramedic
- Engineering Technology
  - Alternative Energy Systems Specialist
  - CNC Machinist
  - Composite Fabrication and Testing
  - Engineering Technology Support Specialist
  - Rapid Prototyping Specialist
- Fire Science Technology
- Hospitality and Tourism Management
  - Guest Services Specialist
- Network Systems Technology
  - Network Server Administration
- Nursing
  - Registered Nurse First Assistant (Advanced Technical Certificate)
- Physical Therapist Assistant
- Radiography
- Respiratory Care

- Software and Database Developer
- Sonography, Diagnostic Medical
- Surgical First Assisting
  - Surgical First Assistant
- Surgical Services
- Theatre and Entertainment Technology
  - Stage Technology
- Unmanned Vehicle Systems Operations
  - Unmanned Vehicle Systems

As part of a statewide articulation agreement, the following associate in science degree programs provide students the option to further their education at a Florida university to complete a bachelor of science degree:

- Business Administration and Management
- Nursing

## Career Certificate Programs

Career certificates (non-college credit), vary in length, and prepare students for immediate employment. Students pursuing this certification are required to successfully complete the Tests of Adult Basic Education (TABE) or the Florida Criminal Justice Basic Abilities Test.

### Career Certificates

Certified Nursing Assistant  
 Correctional Officer  
 Crossover Correctional Officer to  
 Law Enforcement Officer  
 Dental Assisting  
 Firefighting  
 Law Enforcement Officer  
 Practical Nurse

## Graduation Requirements for the Associate in Science Degrees

All Certificate degree recipients must meet the following requirements for graduation:

1. Successfully complete the required credit hours for the program
2. Successfully complete requirements for graduation under the catalog in force at the time of entry into the program or re-entry into the program
3. Meet civics literacy requirements by passing either AMH2020 or POS2041 and passing the Florida Civics Literacy Examination (FCLE). Students may also demonstrate competency through completion of AP Government and Politics: United States, AP United States History, or CLEP: American Government examination. AICE: U.S. History (1840 – 1990) meets the civics literacy course requirement only. Students

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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receiving course credit for this exam will be required to pass the FCLE. High school students who take the U.S. Government course and pass the FCLE will have met the postsecondary civic literacy assessment requirement. Students who have previously achieved a passing score on an approved assessment or passed an approved course will have met the assessment requirement or coursework requirement, respectively, and will not be required to re-take the assessments or courses.

4. Earn a minimum cumulative grade point average (GPA) of 2.00, including all transfer credits and courses attempted at GCSC. In addition, a student must earn a minimum cumulative GPA of 2.00 on all GCSC courses
5. Complete 25 percent of college-level credit hours at GCSC
6. Submit an application for graduation as outlined in the Graduation Procedures section of this catalog
7. Fulfill all financial obligations to the college

Students can go back up to five catalog years as long as there was no break in enrollment (defined as missing a fall or spring semester). If there was a break in enrollment, the student will complete requirements for graduation under the catalog in force at the time of re-entry.

### Graduation Requirements for Certificate Programs

All certificate degree recipients must meet the following requirements for graduation:

1. Successfully complete the required credit hours for the program
2. Successfully complete requirements for graduation under the catalog in force at the time of entry into the program or re-entry into the program
3. Earn a minimum cumulative grade point average (GPA) of 2.00, including all transfer credits and courses attempted at GCSC. In addition, a student must earn a minimum cumulative GPA of 2.00 on all GCSC courses
4. Complete 25 percent of college-level credit hours at GCSC
5. Submit an application for graduation as outlined in the Graduation Procedures section of this catalog; and
6. Fulfill all financial obligations to the college

Students can go back up to five catalog years as long as there was no break in enrollment (defined as missing a fall or spring semester). If there was a break in enrollment, the student will complete requirements for graduation under the catalog in force at the time of re-entry.

### Professional Licensure Disclosure

Gulf Coast State College is approved to offer programs that may lead to professional licensure or certification in Florida. GCSC does not guarantee that programs which fulfill Florida licensing requirements will satisfy the criteria of professional licensure boards in other states, as each state has unique requirements for professional licensure or certification which are subject to change at any time and without notice. Enrolled students and prospective students are strongly encouraged to contact their state's licensure entity to review all licensure or certification requirements imposed by their state(s) of choice.

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**ACCOUNTING TECHNOLOGY (ACT1-AS)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students for immediate employment in the field of accounting. Students who graduate from this program would typically work as bookkeepers or accounting technicians.

	MAN2160, Foundations of Leadership	3
	#TAX1000, Principles of Taxation I	3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Communications Area		Credit Hours
	●+*ENC1101, English I	3
<b>Humanities Area</b>		3
	●*See General Education Core Requirement	
<b>Mathematics Area</b>		3
	●+*See General Education Core Requirement	
<b>Natural Sciences Area</b>	●See General Education Core Requirement	3
<b>Social Sciences Area</b>		
Government/History	<ul style="list-style-type: none"> <li>●@POS 2041, American National Government or</li> <li>●@AMH 2010, United States History I or</li> <li>●@AMH 2020, United States History II and demonstrate Civic Literacy Competency</li> </ul>	3
<b>Major Courses</b>		
	*ACG2001, Financial Accounting I	3
	+*ACG2011, Financial Accounting II	3
	+*ACG2071, Managerial Accounting	3
	+*ACG2450, Introduction to Accounting Software	3
	+ACG2930, Special Topics in Accounting	3
	BUL2241, Business Law	3
	CGS1570, Microcomputer Applications	3
	+CGS2518, Spreadsheets for Business Environments	3
	ECO2013, Principles of Economics, Macro	3
	ECO2023, Principles of Economics, Micro	3
	FIN1100, Personal Finance	3
	MAN1300, Introduction to Human Resource Management	3
	MAN2021, Principles of Management	3

●General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**ACCOUNTING APPLICATIONS CERTIFICATE  
(ACTC-CT)**

**AREA OF CONCENTRATION:** The purpose of this program is to provide students with an opportunity to enter the accounting field.

Courses	Credit Hours
•+*ENC1101, English I	3
*ACG2001, Financial Accounting I	3
+*ACG2011, Financial Accounting II	3
+*ACG2071, Managerial Accounting	3
+*ACG2450, Introduction to Accounting Software	3
CGS1570, Microcomputer Applications	3
+CGS2518, Spreadsheets for Business Environments	3
MAN2160, Foundations of Leadership	3
#TAX1000, Principles of Taxation I	3
<b>TOTAL DEGREE HOURS</b>	<b>27</b>

**ARCHITECTURAL DESIGN AND CONSTRUCTION TECHNOLOGY  
(ADCT-AS)**

**AREA OF CONCENTRATION:** This program will prepare students for employment as construction planners or provide supplemental training for persons previously or currently employed in these occupations.

Courses	Credit Hours
<b>Communications Area</b>	
•+*ENC1101, English I	3
<b>Humanities Area</b>	
•ARH2000, Understanding Visual Arts	3
<b>Mathematics Area</b>	
•+*MAC1105, College Algebra	3
<b>Natural Sciences Area</b>	
•See General Education Core Requirement	3
<b>Social Sciences Area</b>	
<b>Government/History</b>	
•@POS 2041, American National Government or •@AMH 2010, United States History I or •@AMH 2020, United States History II and demonstrate Civic Literacy Competency	3
<b>Major Courses</b>	
+ARC1301C, Architectural Design 1	4
ARH2060, History of Architecture	3
EGN1110C, Engineering Drawing	3
#ETD1320C, Introduction to CAD	3
BCN1230, Materials and Methods	3
+ARC2180, Introduction to Digital Architecture	3
+ARC1302C, Architectural Design 2	4
BCN2405, Statics and Strength of Materials	3
+ARC2312C, Introduction to Building Assembly Modeling	4
+#TAR2122, Residential Architectural Design	1
+#TAR2122L, Residential	3

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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	Design Lab	
	+TAR2154, Commercial Architectural Design	1
	+TAR2154L, Commercial Design Lab	3
<b>Approved Electives</b>		
	+*ARC2303C, Architectural Design 3	5
	+ARC2304C, Architectural Design 4	
	*GIS2040C, Introduction to Geographic Information Systems	3
	#BCT2715, Construction Management	3
	BCT2770, Construction Estimating	3
	+CGN2328C, Technical Drawing & Visualization	3
	+ARC2949 or +BCN2949, Architecture or Building Construction COOP	1-3
<b>TOTAL DEGREE HOURS</b>		<b>66</b>

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**BUSINESS ADMINISTRATION AND MANAGEMENT (BUS2-AS)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students for immediate employment in the field of business administration and management by providing training for both first-time job seekers and experienced employees who wish to advance in their careers.

		<b>Credit Hours</b>
<b>Communications Area</b>		
	•+*ENC1101, English I	3
<b>Humanities Area</b>		3
	•*See General Education Core Requirement	
<b>Mathematics Area</b>		
	•+*STA2023, Statistics	3
<b>Natural Sciences Area</b>		
	•See General Education Core Requirement	3
<b>Social Sciences Area</b>		
Government/History	•@POS 2041, American National Government or •@AMH 2010, United States History I or •@AMH 2020, United States History II and demonstrate Civic Literacy Competency	3
<b>Major Courses</b>		
	CGS1570, Microcomputer Applications	3
	MAN1300, Introduction to Human Resource Management	3
	*ACG2001, Financial Accounting I	3
	+*ACG2011, Financial Accounting II	3
	BUL2241, Business Law	3
	+CGS2069, Social Media Marketing	3
	ECO2023, Economics Micro	3
	MAN2021, Principles of Management	3
	MAN2160, Foundations of Leadership	3
	+MAN2500, Operations Management	3

	MAR2011, Marketing	3
	CGS1103, Project Management Concepts and Processes	3
<b>Pick any 3 courses from the list below:</b>		
	+*ACG2071, Managerial Accounting	3
	+CGS2518, Spreadsheets for Business Environments	3
	DIG1135, Digital Design Concepts	3
	+DIG2093, Digital Marketing	3
	DIG2100, Web Design I	3
	+DIG2151, Writing for Media	3
	DIG2431, Digital Storytelling	3
	•ECO2013, Principles of Economics, Macro	3
	+ENT2000, Introduction to Entrepreneurship	3
	FIN1100, Personal Finance	3
	GRA2156, Computer Graphics for Digital Designers I	3
	+MNA2949, Management Coop	3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**BUSINESS SPECIALIST COLLEGE CREDIT CERTIFICATE (BUSP-CCC)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students for an entry level position in a business setting. Students will gain technical knowledge and skills to prepare for further education and careers in the Business Administration and Management career cluster.

Courses		Credit Hours
	CGS1570, Microcomputer Applications	3
	MAN1300, Introduction to Human Resource Management	3
	*ACG2001, Principles of Financial Accounting I	3
	MAN2021, Principles of Management	3
<b>TOTAL DEGREE HOURS</b>		<b>12</b>

**CRIMINAL JUSTICE TRAINING ACADEMY  
CRIMINAL JUSTICE TECHNOLOGY - A.S. DEGREE (CJST-AS)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students for employment and advancement as practitioners in law enforcement and corrections. This program awards credit for successful completion of Florida Basic Standards and for passing the State Officer Certification Examination. Students who graduate from this program would typically work as municipal, county or state law enforcement officers, or county or state correctional officers. The Basic Standards programs have particular admissions and graduation requirements that are explained on their specific pages. (NOTE: Must be 19 years of age by date of employment).

**ADMISSIONS REQUIREMENTS**

Admission requirements include the following:

- Citizen of United States
- High School diploma or GED (transcript required)
- Not discharged from Armed Forces under dishonorable conditions
- Good moral character and NOT have been convicted of a felony, or any misdemeanor involving lying or perjury
- Submit to and pass background investigation

<b>Communications Area</b>	•+*ENC1101, English I	3
<b>Humanities Area</b>		3
	•*See General Education Core Requirement	
<b>Mathematics Area</b>	•+*See General Education Core Requirement	3
<b>Natural Sciences</b>		
	•See General Education Core Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•PSY2012, General Psychology	3
Government	•@POS2041, American National Government	3
<b>Major Courses</b>		
<i>COBS and LEBS refer to State of Florida Correctional and Law Enforcement Officer certification training programs. SOCE refers to the State Officer Certification Examination related to those programs. All other training programs will be evaluated by</i>	Law Enforcement Basic Standards (LEBS) (with passing SOCE) (15 hrs.) or Correctional Officer Basic Standards (COBS) (with passing SOCE) (12 hrs.)	1

•General Education Core.  
+ Prerequisites and/or corequisites required. See course descriptions.  
# Applies only to A.S. degree and certificate programs.  
= Career Certificate course.  
\* Minimum grade of "C" required.  
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<i>designated advisor on an individual basis.</i>		
	Computer Usage Elective	3
	CCJ1010, Introduction to Criminology	3
	CCJ1020, Introduction to Criminal Justice	3
	SPC1608, Introduction to Public Speaking	3
	MAN2021, Principles of Management	3
+LEBS with passing SOCE elective hours (15) +COBS with passing SOCE elective hours (12) Other students without LEBS or COBS elective hours (27)	Electives: #CJC1000, CJC2162, #CJE1000, #CJE1500, #CJE2400, #CJE2600, #CJJ1001, CJL2100, CJL2130, CCJ2720, or other electives as approved by advisor	
<b>Law Enforcement Total Core Hours</b>	General Education Core Hours (18) Major Course Hours (15) +LEBS Elective Hours (15) Other Elective Hours (12)	30
<b>Corrections Total Core Hours</b>	General Education Core Hours (18) Major Course Hours (15) +COBS Elective Hours (12) Other Elective Hours (15)	27
<b>Other Students Total Core Hours</b>	General Education Core Hours (18) Major Course Hours (15) Other Elective Hours (27)	15
<b>TOTAL PROGRAM CREDIT HOURS</b>		<b>60</b>

**CULINARY MANAGEMENT (CLNY-AS)**

**AREA OF CONCENTRATION:** This program seeks candidates who are individually motivated and committed to a career in the food service profession. This program is accredited by the American Culinary Federation Education Foundation Accrediting Commission (ACFEFAC).

Communications Area		Credit Hours
	•+*ENC1101, English I	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Core Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Core Requirement	3
<b>Natural Sciences Area</b>		
	•See General Core Education Requirement	3
<b>Social Sciences Area</b>		
Government/History	•@POS 2041, American National Government or •@AMH 2010, United States History I or •@AMH 2020, United States History II and demonstrate Civic Literacy Competency	3
<b>Major Courses</b>		
	#FOS2201, Food Service Sanitation and Safety	2
	+ #FSS1202C, Basic Food Preparation	4
	+ #FSS1063C, Food Specialties -Baking	3
	#HUN1001, Survey of Nutrition	2
	+ #FSS1222C, Kitchen Management	3
	+ #HFT1265C, Restaurant Management	3
	HFT1000, Introduction to the Hospitality Industry	3
	+ #FSS2240L, Food Spec - World Cuisines	3
	+ #HFT2264C, Banquet & Convention Mgmt.	3
	+ #FSS2065L, Food Spec.	3

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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	-Pastry	
	+#HFT2867C, Wine Essentials	3
	+#HFT2840C, Dining Room Operations	3
	+#FSS2224L, Advanced Food Preparation	3
	+#FSS1248L, Food Spec.-Garde Manger	3
	+#FSS1942, Culinary Externship	1
	#FSS1105, Food Purchasing	3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**CHEF'S APPRENTICE (CAPP-CCC)**

**AREA OF CONCENTRATION:** 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 Hospitality and Tourism 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 Hospitality and Tourism career cluster. The content includes but is not limited to sanitation and safety; maintenance and operation of equipment; recognition and identification of foods; proper storage of foods; methods of preparation; usage of foods; methods of cooking; communication skills; math skills; computer applications; professionalism; culinary organization; and food and beverage purchasing.

Courses	Credit Hours
#FOS2201, Food Service Sanitation and Safety	2
+#FSS1202C, Basic Food Preparation	4
+#FSS1063C, Food Specialties: Baking	3
#FSS1105, Food Purchasing	3
<b>TOTAL DEGREE HOURS</b>	<b>12</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**CULINARY ARTS  
(CLNA-CCC)**

**AREA OF CONCENTRATION:** 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 Hospitality and Tourism 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 Hospitality and Tourism career cluster. This program prepares students for employment in commercial and institutional positions such as bakers, pantry cooks, prep cooks, and lead cooks in the culinary industry and/or provides supplemental training for persons previously or currently employed in these occupations.

Courses	Credit Hours
#FOS2201, Food Service Sanitation and Safety	2
#HUN1001, Survey of Nutrition	2
+#FSS1202C, Basic Food Preparation	4
+#FSS1063C, Food Specialties - Baking	3
HFT1000, Introduction to the Hospitality Industry	3
+#FSS2065L, Food Specialties - Pastry	3
#FSS1105, Food Purchasing	3
+#FSS1222C, Kitchen Management	
+#HFT1265C, Restaurant Management	
+#FSS1248L, Food Specialties: Garde Manger	3
+#FSS2240L, Food Specialties: Cuisines of the World	3
+#HFT2264C, Banquet and Convention Management	3
<b>TOTAL DEGREE HOURS</b>	<b>35</b>

**CYBERSECURITY  
(CYSE-AS)**

Cybersecurity professionals create and implement tactics to secure computer networks and systems. Cybersecurity professionals are in high demand as the growing number of cyberattacks continually increase. Our Cybersecurity-AS degree features a rigorous, hands-on curriculum taught by experienced industry professionals. In our courses, you will learn how to secure devices, data, and networks. Graduates of the Cybersecurity-AS program are prepared to assist in all areas of cyber defense. Additionally, successful completion of this program prepares you to take highly sought-after industry certifications.

	Credit Hours
<b>Communications Area</b>	
	•+*ENC1101, English I 3
<b>Humanities Area</b>	
	See General Education Core Requirement 3
<b>Mathematics Area</b>	
	•+*MAC1105, College Algebra 3
<b>Natural Sciences Area</b>	
	See General Education Core Requirement 3
<b>Social Sciences Area</b>	
Government/History	•@POS 2041, American National Government or •@AMH 2010, United States History I or •@AMH 2020, United States History II and demonstrate Civic Literacy Competency 3
<b>MAJOR COURSES</b>	
	*CTS1111, Linux+ 3
	+*CTS1120, Security+ 3
	*CTS1650, Network Fundamentals 3
	CGS1103, Project Management Concepts and Processes 3
	COP1000, Introduction to Programming Logic 3
	+*CTS2193, Cloud Essentials 3
	+*CIS2352, Ethical Hacking I 3
	+*CIS2381, Computer Forensics and Incident Response 3

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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	+*CTS2315, Intrusion Detection and Firewalls	3
	+*CTS1651, Cisco Router Technology/Router Protocols and Concepts	3
	#*CTS1131, A+ Hardware	3
	*CTS1133, Desktop Operating Systems (A+ Software)	3
	*CTS1390, Installing and Configuring Windows Server	3
	+##*CNT1510, Wireless Networking	3
	+*CTS2940, Cybersecurity Capstone	3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

## DENTAL HYGIENE (DENH-AS)

**AREA OF CONCENTRATION:** The Dental Hygiene Program is a limited access, selective admissions program designed to assist students in developing and mastering basic clinical competencies and theoretical concepts of dental hygiene practice. Graduates will receive an A.S. degree in Dental Hygiene and will be eligible to apply for the national and state board examinations in any state. The Dental Hygiene Program is accredited by the American Dental Association Commission on Dental Accreditation. Students are encouraged to complete as many of the general education courses as possible prior to seeking admission into the program. Because of limited enrollment, students are encouraged to prepare application requirements in the fall for the next year's class.

**PRIMARY ADVISOR:** Miranda Stewart, (850) 747-3422

**To apply for this program of study, students should obtain a program information packet from the Health Sciences web page containing a current listing of admission guidelines and course requirements.**

### ADMISSIONS:

The Dental Hygiene Program is a limited access program beginning each fall semester. A selective admissions policy with specific selection criteria is utilized in order to select the most qualified applicants. The strength of the applicant pool varies year-to-year, with the highest qualified applicants receiving first consideration. It is the applicant's responsibility to inquire about these specific admission and selection criteria and to ensure that all required documents are received on campus prior to the deadline published in the current information packet.

### PROFESSIONAL LICENSURE DISCLOSURE:

Gulf Coast State College is approved to offer programs that may lead to professional licensure or certification in Florida. GCSC does not guarantee that programs which fulfill Florida licensing requirements will satisfy the criteria of professional licensure boards in other states, as each state has unique requirements for professional licensure or certification which are subject to change at any time and without notice. Enrolled students and prospective students are strongly encouraged to contact their state's licensure entity to review all licensure or certification requirements imposed by their state(s) of choice. Please review the licensing board for guidance on the professional licensure or certification requirements for programs in your home state or where you would like to practice professionally. GCSC is required by the National Council for State Authorization Reciprocity Agreements (NC-SARA) to disclose whether your prospective program meets the professional licensure or certification requirements in other states. NC-SARA does not address

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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professional licensure issues.

<https://gulfoast.edu/academics/online/professional-licensure-disclosure.html>

#### Application Requirements:

- A. Application and acceptance to Gulf Coast State College
- B. Official high school transcript or GED and all official college transcript(s) sent to Enrollment Services for evaluation
- C. Complete with a "C" or better the following prerequisite courses:
  1. BSC2085, Anatomy & Physiology I
  2. BSC2085L, Anatomy & Physiology I Lab
  3. ENC1101, English Composition I
  4. HUN1201, Principles of Nutrition
  5. Approved Mathematics Course
- D. Application to Dental Hygiene Program, including:
  1. Dental Hygiene Application
  2. Technical Standards Acknowledgement
  3. Additional documentation if applicable (as specified in the current information packet)

#### Requirements After Conditional Acceptance:

- A. Immunization Record:
  - 
  - Hepatitis B - vaccine series or blood titer, within 10 years (or signed declination)
  - Tuberculosis Skin or Blood Test (may require chest radiograph if previously positive.)
  - MMR (Measles, Mumps, Rubella)
  - Varicella (Chickenpox)
  - TDap or TD (Tetanus/Diphtheria, Pertussis (within 10 years)
  - Influenza (or signed declination)
  - COVID-19 (or signed declination)
  - Polio (or signed medical waiver)
- B. Copy of current Cardiopulmonary Resuscitation (CPR) certificate (BLS for Healthcare Providers) by the AHA
- C. Satisfactory fingerprint/criminal background check
- D. Healthcare Interprofessional Training (every 2 years)
  - HIPAA
  - HIV/AIDS
  - Prevention of Medical Errors
  - Domestic Violence
  - Infection Control
  - Human Trafficking
  - Interprofessional Education
  - Airborne Precautions w/Mask Fit
- E. Satisfactory physical examination (signed by physician/health care provider)
- F. Satisfactory drug screening results

#### Readmission Guidelines

1. A student who withdraws from or earns a grade lower than a "C" in one of the approved science courses and/or in a Dental Hygiene course will not be permitted to continue in the Dental Hygiene Program. A student who does not meet the Technical Standards of the program will not be permitted to continue in the program.
2. Applicants who wish to apply for readmission should do so prior to March 1 if planning to enroll in the Fall semester or October 1 if planning to enroll in the Spring semester.
3. Readmission to the Dental Hygiene Program will be dependent upon available resources.
4. In order to be considered for readmission by the Admissions Committee, the applicant must do the following:
  - a. Submit a written request letter (not e-mail) to the Dental Hygiene Coordinator presenting evidence to justify readmission. This may include letters of recommendation from a previous faculty member or coordinator, additional course work, work experience, etc.
  - b. Meet current guidelines for admission to the College and the Dental Hygiene Program.
5. Readmission may be contingent upon the candidate's agreeing to audit previously completed course work.
6. A student who applies for readmission to the Dental Hygiene Program must provide significant evidence which suggests the potential for future success in the program. This evidence may address such things as unusual circumstances, remedial study, and/or additional preparation.

#### Transfer Policy

Applicants who wish to transfer from another Dental Hygiene Program to a GCSC Dental Hygiene Program must 1) meet all current admission requirements, 2) apply at least two months prior to the expected date of enrollment, 3) notify the Dental Hygiene Coordinator in writing, stating anticipated entry date and reason for transfer, 4) provide evidence of successful completion of previous core dental courses from an American Dental Association accredited program, and 5) provide a letter from the program chair stating that the student is in good academic and clinical standing and is eligible to return to the Dental Hygiene Program they wish to transfer from. Acceptance of any transfer student will be dependent upon available resources.

Transferability of GCSC Dental Hygiene courses to another institution will be dependent upon the acceptance of the receiving institution.

#### Articulation Policy

Students who elect to articulate must have completed said

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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courses with a grade of "C" or better from Gulf Coast State College's accredited Dental Assisting Program within the last three years *and* have actively been working in the dental field at least 3 months prior to entrance in the program. If you feel you meet articulation requirements, please contact the Dental Hygiene Coordinator for more information.

		Credit Hours
<b>Communications Area</b>		
	•+*ENC1101, English I	3
<b>Humanities Area</b>		3
	•*See General Education Core Requirement	
<b>Mathematics Area</b>		3
	•+*See General Education Core Requirement	
<b>Natural Sciences Area</b>		
Biological Science	•+*BSC2085, Anatomy and Physiology I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•*PSY2012, Psychology	3
Government/History	•*@POS 2041, American National Government or •*@AMH 2010, United States History I or *@AMH 2020, United States History II, and demonstrate Civic Literacy Competency	3
	*SYG2000, Sociology	3
	+*BSC2085L, Anatomy and Physiology I Lab	1
	+*BSC2086, Anatomy and Physiology II	3
	+*BSC2086L, Anatomy and Physiology II Lab	1
	+*MCB2004, Microbiology	3
	+*MCB2004L, Microbiology Lab	1
	*HUN1201, Principles of Nutrition	3
	*SPC1608, Introduction to Public Speaking	3
<b>Major Courses</b>	+*#DES1000, Dental Anatomy	2
	+*#DES1010, Head and Neck Anatomy	2
	+*#DES1100C, Dental Materials	3
	+*#DES1200, Dental Radiology I	2
	+*#DES1200L, Dental Radiology I Lab	1
	+*#DES1201, Dental Radiology II	1

	+*#DES1201L, Dental Radiology II Lab	1
	+*#DES1832, Expanded Functions	1
	+*#DES1832L, Expanded Functions Lab	1
	+*#DEH1002, Fundamentals of Dental Hygiene	3
	+*#DEH1002L, Dental Hygiene Pre-Clinical Procedures	3
	+*#DEH1130, Oral Histology and Embryology	2
	+*#DEH1400, Oral Pathology	2
	+*#DEH1800, Dental Hygiene I	2
	+*#DEH1800L, Dental Hygiene Clinical I	4
	+*#DEH1802, Dental Hygiene II	1
	+*#DEH1802L, Dental Hygiene Clinical II	2
	+*#DEH2300, Pharmacology for the Dental Hygienist	2
	+*#DEH2602, Periodontology	2
	+*#DEH2702, Community Dental Health	2
	+*#DEH2702L, Community Dental Health Lab	1
	+*#DEH2804, Dental Hygiene III	2
	+*#DEH2804L, Dental Hygiene Clinical III	4
	+*#DEH2806, Dental Hygiene IV	2
	+*#DEH2806L, Dental Hygiene Clinical IV	4
<b>TOTAL DEGREE HOURS</b>		<b>88</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**DIGITAL MEDIA/MULTIMEDIA TECHNOLOGY (DIG2-AS)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students for initial employment as a digital media/multimedia programmer, digital media/multimedia project manager, web designer, web developer, web production artist, digital audio/video technician, digital media/multimedia producer, graphic animator, instructional designer, or interface designer, or to provide supplemental training for persons previously or currently employed in these or related occupations. Graduates of this program could potentially obtain positions as graphic artist technicians, animation/gaming/simulation technicians/developers, digital video production technicians, or web design technicians.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
<b>Humanities Area</b>		
Visual and Performing Arts	See General Education Core Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Core Requirement	3
<b>Natural Sciences Area</b>		
	*See General Education Core Requirement	3
<b>Social Sciences Area</b>		
Government/History	•@POS 2041, American National Government or •@AMH 2010, United States History I or •@AMH 2020, United States History II and demonstrate Civic Literacy Competency	3
<b>Major Courses</b>		
	DIG2430, Digital Story Development	3
	+DIG2151, Writing for Media	3
	DIG2251, Sound for Digital Media	3
	DIG2200, Digital Video Fundamentals	3
	DIG1135, Digital Design Concepts	3

	GRA2156, Computer Graphics for Digital Designers I	3
	DIG2100, Web Design I	3
	+DIG2580, Digital Media Portfolio	3
	CGS2069, Social Media Marketing	3
Select an 18 credit specialization area below:		
<b>Web Development Specialization (DIGB)</b>		
	+COP2701, Database Design and Management	3
	CGS1570, Microcomputer Applications	3
	COP1000, Introduction to Programming Logic	3
	+GRA2157, Computer Graphics for Digital Designers II	3
	COP2700, Data Structure (SQL)	3
	+COP2840, Internet Programming	3
<b>Digital Production Specialization (DIGC)</b>		
	DIG2205, Digital Post Production	3
	DIG2822, Electronic Journalism	3
	DIG2431, Digital Storytelling	3
	DIG2257, Radio Production Sound Recording	3
	DIG2290, Studio Production and Direction	3
	TPA1220, Introduction to Stage Lighting or +GRA2157, Computer Graphics for Digital Designers II	3
<b>Marketing &amp; Graphics Specialization (DIGA)</b>		
	ART1201C, Design I	3
	PGY2801C, Photography I	3
	+GRA2157, Computer Graphics for Digital Designers II	3
	GRA2151, Digital Illustration	3
	MAR2011, Marketing	3
	+DIG2093, Digital Marketing	3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**DIGITAL MEDIA/MULTIMEDIA PRODUCTION  
COLLEGE CREDIT CERTIFICATE  
(DIG-CCC)**

**AREA OF CONCENTRATION:** The purpose 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.

		<b>Credit Hours</b>
	DIG2100, Web Design I	3
	GRA2156, Computer Graphics for Digital Designers I	3
	DIG2431, Digital Storytelling	3
	DIG2257, Radio Production Sound Recording	3
	DIG2822, Electronic Journalism	3
<b>TOTAL DEGREE HOURS</b>		<b>15</b>

**Important Notes:** It is strongly recommended that you have classes from at least two of the areas above. Each candidate for graduation of this program must submit a digital portfolio. Specific criteria for the portfolio are available from the program advisor.

**DIGITAL MEDIA/MULTIMEDIA VIDEO PRODUCTION  
COLLEGE CREDIT CERTIFICATE  
(MVP-CCC)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students for initial employment as a videographer, video editor, or to provide supplemental training for persons previously or currently employed in these occupations. The content should include, but not be limited to design and generation of video and/or animations and the production of digital media/multimedia projects. This certificate program is part of the Digital Media/Multimedia Technology AS degree program. 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 Arts A/V Technology and Communication 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 Arts A/V Technology and Communication career cluster.

<b>Major Courses</b>		<b>Credit Hours</b>
	DIG2430, Digital Story Development	3
	DIG2200, Digital Video Fundamentals	3
	DIG2290, Studio Production & Direction	3
	DIG2205, Digital Post Production	3
<b>TOTAL DEGREE HOURS</b>		<b>12</b>

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**DIGITAL MEDIA/MULTIMEDIA WEB PRODUCTION (WDP-CCC)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students for initial employment as web designers, web production assistants, web production artists, or to provide supplemental training for persons currently employed in the web design industry. The students will gain hands on experience in analysis of end-user needs, use of digital media/multimedia computer applications and the design and production of digital media/multimedia projects, including manipulation of video, animations, and audio. All courses in this program can be used in pursuit of the college's Associate in Science degree in Digital Media.

Courses		Credit Hours
	DIG2100, Web Design I	3
	+COP2840, Internet Programming	3
	GRA2156, Computer Graphics for Digital Designers I	3
	COP2700, Data Structure (SQL)	3
	COP1000, Introduction to Programming Logic	3
<b>TOTAL DEGREE HOURS</b>		<b>15</b>

**EARLY CHILDHOOD EDUCATION (EEC-AS)**

**Area of Concentration:** The purpose of this program is to prepare students for employment as child development center teachers, early intervention associates, child development center curriculum coordinators, infant/toddler teachers, preschool teachers, providers of care in school age programs, providers of care for children with disabling conditions, family day care providers, home visitors, child development center managers, or to provide supplementary training for persons previously or currently employed in these occupations.

The content includes but is not limited to growth and development; early childhood education; establishing and maintaining a safe, clean, healthy, learning environment; guidance techniques and classroom management; communication; identification of child abuse and neglect; implementation of rules and regulations; nutrition; family interaction; legal and professional responsibilities; and employability skills. Programs prepare individuals to assume major caregiving and educational and/or managerial responsibilities in programs for infants, toddlers, and children.

All Early Childhood Education students should be aware that the State of Florida requires a thorough background check by the Florida Department of Law Enforcement prior to the student entering the classroom for observations. The college requires the submission of written verification of approved and completed background checks before students may complete on-site course requirements. Students completing observations in school systems must go to the district in which they will complete their observations and comply with the requirements of that system. The students will be required to pay a fee for the cost of the background check.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
<b>Humanities Area</b>		
Visual and Performing Arts	•See General Education Core Requirement	3
<b>Mathematics Area</b>		
	•+*See General Education Core Requirement	3
<b>Natural Sciences Area</b>		
	•See General Education Core Requirement	3

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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Social Sciences Area		
Behavioral Sciences	• PSY2012, Psychology	3
History/Government	• @POS 2041, American National Government or • @AMH 2010, United States History I or • @AMH 2020, United States History II and demonstrate Civic Literacy Competency	3
Major Courses		
	+ #EEC1732, Infants, Toddlers, & Caregivers	3
	+ EEC2240, Social Studies & Creative Expression for Young Children	3
	+ #EEC2223, Art, Music, & Movement for Young Children	3
	+ EEC2602, Guiding the Young Child	3
	+ EEC2713, Facilitating Social Development	3
	+ #EEC1319, Portfolio Development & Supervised Work Experience	3
	EEC1001, Introduction to Early Childhood Education	3
	+ EEC1272, Practices for Working with Young Children with Special Needs in Inclusive Settings	3
	+ #EEC2523, Leadership & Management of Child Care Programs	3
	+ #EEC2734, Health, Safety, and Nutrition for Young Children	3
	DEP2001, Infant and Child Psychology	3
	Electives	9
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

**Recommended electives:**

- DEP2004, Developmental Psychology, 3 crs.
- CLP1001, Psychology of Adjustment, 3 crs.
- SYG2010, Social Problems, 3 crs.
- SYG2430, Marriage and Family Living, 3 crs.

**FLORIDA CHILD CARE PROFESSIONAL CREDENTIAL (FCCP-CT)**

**AREA OF CONCENTRATION:** This credential provides students with the knowledge base and professional skills necessary for teachers of children from birth to 5 in early education and daycare programs, to include pre-kindergarten programs across the State of Florida. The Florida Department of Children and Families authorizes and oversees all FCCPC programs.

This credential can be earned by students who complete the twelve (12) credit hours of the program and who can document at least 480 hours of direct supervision of children in the birth to 5 age range, with a minimum of 120 hours of direct supervision (of the 480-hour total) having been conducted during the student's enrollment in this credential program. Students must also compile an Early Childhood Portfolio that includes an autobiography, competency statements, and a resource collection as validation of teacher core competencies. Lastly, all FCCPC students must successfully complete an on-site observation validating competence in FCCPC functional areas and goals.

All FCCPC students must be at least 18 years of age upon entry into the program and have a high school diploma or equivalent. ALL FCCPC students should be aware that the State of Florida requires a thorough background check by the Florida Department of Law Enforcement (FDLE) prior to the student entering the classroom for observation. The college requires written verification of completed and approved background check before students may complete on-site course requirements. Students completing observations in school systems must go to the district in which they will complete observations and comply with the requirements of that system. The students will be required to pay a fee for the cost of the background check.

Courses		Credit Hours
	EEC1001, Introduction to Early Childhood Education	3
	+ #EEC1319, Portfolio Development and Supervised Work Experience	3
	DEP2001, Infant and Child Psychology	3
	+ EEC2240, Social Studies and Creative Expression for Young Children or + EEC1732, Infants, Toddlers, and Caregivers	3
<b>TOTAL DEGREE HOURS</b>		<b>12</b>

• General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**EMERGENCY MEDICAL SERVICES**

**AREA OF CONCENTRATION:** Upon completion of the program, all graduates will have demonstrated the necessary knowledge, technical skill, and professional attitude and behavior to implement safe, effective and appropriate care in their roles as entry-level Emergency Medical Technician or Paramedic.

**INTRODUCTION:** The Paramedic program is accredited by the Commission on Accreditation of Allied Health Educational Program ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). The EMT program is accredited by the Florida Department of Health. Graduates of either the emergency medical technician (EMT) or paramedic portions of the program are eligible to apply for the national board examinations.

**The Emergency Medical Technician (EMT):**

This is the beginning level in the emergency medical services (EMS) career ladder. EMTs are trained in basic life support measures including patient assessment, cardiopulmonary resuscitation (CPR), automated external defibrillation (AED), oxygen therapy, shock prevention, bandaging, splinting, spinal immobilization, and vehicle extrication. The EMT course can be completed in one semester. Application deadlines are six weeks prior to course start date.

**The Paramedic:**

This is the higher level of the EMS career ladder. Paramedics are licensed EMTs who are then trained in advanced life support measures including venipuncture, intravenous therapy, endotracheal intubation, medication administration, arrhythmia interpretation, cardioversion, and defibrillation. The Paramedic course is a three-semester program. The Paramedic course is offered once a year beginning with the fall semester and concluding after the first summer term. Application deadline is June 30.

**Application process for EMT and Paramedic Program:**

- A. Complete application to Gulf Coast State College
- B. Submit high school transcripts or GED to the Enrollment Services
- C. Submit all previous college transcripts for evaluation as required by Enrollment Services
- D. Students must be at least 18 years old
- E. Submit completed EMS program application to the Public Safety Division
- F. Submit acceptable PERT scores. Students may contact the Testing Office for dates, times, and locations of the PERT (placement test)

- G. Signed statement indicating freedom from:
  1. Addiction to alcohol or any narcotic or controlled substance
  2. Any physical or mental defect or disease that might impair the ability to function as an EMT
- H. Proof of valid Florida driver's license

Paramedic students are strongly encouraged to complete BSC2085, Human Anatomy and Physiology I or BSC2010, Human Biology, and HS1531, Medical Terminology prior to entering the program.

**Requirements for EMT and Paramedic after conditional acceptance:**

- A. Satisfactory fingerprint/criminal background check
- B. Completion of physical examination (with satisfactory results), including copy of immunization form
- C. Purchase uniform and specific equipment

**Additional Requirements for Paramedic Applicants**

- A. Applicants must hold a current Florida EMT license or be eligible for the Florida licensure examination by virtue of holding current National Registry certification. Students must obtain a Florida EMT license within 45 days of entering the first semester of the Paramedic program.
- B. Applicants must have maintained a minimum grade of "B" in the EMT training program
- C. Provide a copy of their current AHA Cardiopulmonary Resuscitation (CPR) certificate (BLS for health care providers)
- D. Have six months of EMT work experience and completed probationary status prior to the Paramedic program application deadline

**Student Selection Process:**

The requirements listed above are minimum requirements; however, satisfaction of minimum requirements does not automatically guarantee admission. Admission to the program is a selective process. Paramedic program applicants with six months or more of emergency medical experience are given preference for selection. The Admissions Committee will review application packets and notify students of their selection status

**Curriculum:** The EMT program is completed by certificate. The Paramedic program may be completed by either certificate or Associate in Science degree in Emergency Medical Services.

**Program Coordinator:** Liliana Zamora

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**EMERGENCY MEDICAL TECHNICIAN  
APPLIED TECHNOLOGY DIPLOMA (EMT-ATD)**

The EMT program is a selective admission, limited enrollment program. Admission to Gulf Coast State College does not imply acceptance into the EMT program.

The core curriculum consists of a combination of lecture, clinical, and skill laboratory hours.

Courses		Credit Hours
	+*#EMS1119, Emergency Medical Tech	5
	*#EMS1335, Emergency Vehicle Operator	1
	+*#EMS1401, Emergency Medical Tech. Lab	5
	+*#EMS1555, Trauma Management	1
<b>TOTAL DEGREE HOURS</b>		<b>12</b>

**PARAMEDIC CERTIFICATE (PARM-CT)**

The Paramedic program is a selective admission, limited enrollment program. Admission to Gulf Coast State College does not imply acceptance into the Paramedic program.

The core curriculum consists of a combination of lecture, clinical, and skill laboratory hours.

Courses		Credit Hours
	+*#EMS2231, Paramedic I	9
	+*#EMS2232, Paramedic II	8
	+*#EMS2233, Paramedic III	2
	+*#EMS2425, Paramedic Internship	6
	+*#EMS2435, Paramedic I Lab	7
	+*#EMS2436, Paramedic II Lab	7
	+*#EMS2553, Pediatric Advanced Life Support	1
	+*#EMS2934, Advanced Medical Life Support	1
	+*#EMS2552, Advanced Cardiac Life Support	1
<b>TOTAL DEGREE HOURS</b>		<b>42</b>

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**EMERGENCY MEDICAL SERVICES (EMSA-AS/EMS-AS)**

Students interested in completing the Associate in Science degree in Emergency Medical Services must complete all of the coursework for the EMT and Paramedic programs in addition to the following 15 hours of general education courses.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
<b>Humanities Area</b>		3
	•*See General Education Core Requirement	
	*See General Education Core Requirement	
	*See General Education Core Requirement	
<b>Mathematics Area</b>		3
	•+*See General Education Core Requirement	
<b>Natural Sciences Area</b>		
	•See General Education Core Requirement	3
<b>Social Sciences Area</b>		
<b>Government/History</b>	•@POS 2041, American National Government or •@AMH 2010, United States History I or •@AMH 2020, United States History II and demonstrate Civic Literacy Competency	3
<b>Major Courses</b>		
	+*#EMS1761, Assistant Teaching in Emergency Medical Services	3
	+*#EMS1119, Emergency Medical Tech	5
	*#EMS1335, Emergency Vehicle Operator	1
	+*#EMS1401, Emergency Medical Tech Lab	5
	+*#EMS1555, Trauma Management	1
	+*#EMS2231, Paramedic I	9
	+*#EMS2232, Paramedic II	8
	+*#EMS2233, Paramedic III	2
	+*#EMS2425, Paramedic Internship	6
	+*#EMS2435, Paramedic I Lab	7

	+*#EMS2436, Paramedic II Lab	7
	+*#EMS2553, Pediatric Advanced Life Support	1
	+*#EMS2934, Advanced Medical Life Support	1
	*#EMS1310, Emergency Medical Services Management	1
	+*#EMS2552, Advanced Cardiac Life Support	1
<b>TOTAL DEGREE HOURS</b>		73

Students must have completed the Emergency Medical Technician program before they can be admitted into the Emergency Medical Services degree program.

Additional graduation requirements: Students must have fulfilled the requirement for the chosen major, earned a minimum of 25 percent of the total hours required for the degree in residence at Gulf Coast State College, and be registered as a student at Gulf Coast State College during the semester of graduation.

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**ENGINEERING TECHNOLOGY  
(ENGT-AS)**

**AREA OF CONCENTRATION:** The purpose of the Engineering Technology A.S. program is to prepare students for employment or provide additional training for persons previously or currently employed in the manufacturing, electronics, aerospace, or other related industries. This degree is a planned sequence of instruction with one common core and three specializations: alternative energies, advanced manufacturing, and digital manufacturing. It is recommended that students complete the core before advancing to the courses in their specialization. Topics include communication skills, technical competency, safe and efficient work practices and a combination of theory and laboratory activities to gain the necessary cognitive and manipulative skills to support engineering design, processes, production, testing, and product quality.

The 18-credit hour technical core has also been aligned with the standards of the Manufacturing Skills Standards Council (MSSC). MSSC standards define the knowledge, skills, and performance needed for positions in manufacturing. After completing the technical core and General Education requirements, students will be eligible to take the exam for MSSC Production Technician Certification. Graduates of the Engineering Technology Program can transfer to universities offering the B.S. degree in Engineering Technology.

**ALTERNATIVE ENERGY OPTION (ENG1)**

The purpose of this track is to prepare students to meet industry-specific educational needs for technicians in new and emerging alternative and renewable energy fields, including, but not limited to, occupational titles such as Electrical Engineering Technician, Industrial Engineering Technician, Solar Photovoltaic Installer and Solar Power Plant Technician, Solar Thermal Installer and Technician, Energy Auditor, and Smart Grid Technician. This program also provides supplemental training for persons previously or currently employed in occupations related to energy production and storage, manufacturing and construction.

		<b>Credit Hours</b>
<b>Communications Area</b>		
	•+*ENC1101, English I	3
<b>Humanities Area</b>		3
	•*See General Education Core Requirement	
<b>Mathematics Area</b>		
	•+*MAC1105, College Algebra	3

<b>Natural Sciences Area</b>		
	•See General Core Education Requirement	3
<b>Social Sciences Area</b>		
Government/History	<ul style="list-style-type: none"> <li>•@POS 2041, American National Government or</li> <li>•@AMH 2010, United States History I or</li> <li>•@AMH 2020, United States History II and demonstrate Civic Literacy Competency</li> </ul>	3
<b>Major Courses</b>		
	#EET1084C, Introduction to Electronics	3
	#ETD1320C, Introduction to CAD	3
	#ETI1701, Industrial Safety	3
	#ETI2110, Introduction to Quality Assurance	3
	#ETI1420, Manufacturing Process	3
	#ETI2001C, Applied Mechanics	3
	#ETP1501, Introduction to Energy, Environment, and Society	3
	#ETP1500, Alternative Energy Inventory & Analysis	3
	+#EET1035C, AC/DC Circuits	3
	+#ETP1410C, Solar Energy	3
	+#ETS2542C, Programmable Logic Controllers	3
	+#ETP1510, Biofuels and Biomass	3
	+#ETP1550, Alternative Fuels and Electric Vehicles	3
	#EET2214C, LabVIEW Instrumentation	3
	#ETS2931, Special Projects in Computer Integrated Manufacturing	2
	#ETI1949, Manufacturing Internship	1
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**ADVANCED MANUFACTURING OPTION (ENG2)**

This track specializes in automation, robotics, and process control with emphasis on computer-controlled systems for industrial manufacturing, system integration, instrumentation, simulation, and animatronics. The program skills used for careers in manufacturing, theme park industries, military applications, water filtration and purification plants, and much more. Graduates are prepared to work as controls engineers, system integrators, robotic technicians, industrial programmers, process control engineers, field service technicians, simulation technicians, industrial sales engineers, and industrial maintenance technicians.

		Credit Hours
<b>Communications Area</b>		
	•+*ENC1101, English I	3
<b>Humanities Area</b>		
	•*See General Education Core Requirement	3
<b>Mathematics Area</b>		
	•+*MAC1105, College Algebra	3
<b>Natural Sciences Area</b>		
	•See General Education Core Requirement	3
<b>Social Sciences Area</b>		
Government/History	<ul style="list-style-type: none"> <li>•@POS 2041, American National Government or</li> <li>•@AMH 2010, United States History I or</li> <li>•@AMH 2020, United States History II and demonstrate Civic Literacy Competency</li> </ul>	3
<b>Major Courses</b>		
	#EET1084C, Introduction to Electronics	3
	#ETD1320C, Introduction to CAD	3
	#ETI1701, Industrial Safety	3
	#ETI2110, Intro to Quality Assurance	3
	#ETI1420, Manufacturing Process	3

	#ETI2001C, Applied Mechanics	3
	+#ETS2542C, Programmable Logic Controllers	3
	+#ETS2535C, Process Control & Instrumentation	3
	+#ETS2700C, Electro-Hydraulics & Pneumatics	3
	+#ETS2606C, Robotics	3
	+#ETS2511C, Motors & Motion Control	3
	+#EET1140C, Electronic Devices and Circuits	3
	+#CET1112C, Digital and Computer Circuits	3
	+#EET1035C, AC/DC Circuits	3
	#ETS2931, Special Projects in Computer Integrated Manufacturing	2
	#ETI1949, Manufacturing Internship	1
<b>TOTAL DEGREE HOURS</b>		60

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**DIGITAL MANUFACTURING OPTION (ENG3)**

The purpose of this track is to prepare students for initial employment as a Rapid Prototyping specialist, Digital Manufacturing specialist, industrial designer, product designer, architectural, civil, or mechanical drafter, technician, or detailers in various specialized areas of industry that use digital design and modeling and rapid prototyping, direct digital manufacturing and CNC machining technologies, or to provide supplemental training for persons previously or currently employed in these occupations.

		Credit Hours
<b>Communications Area</b>		
	•+*ENC1101, English I	3
<b>Humanities Area</b>		
	•*See General Education Core Requirement	3
<b>Mathematics Area</b>		
	•+*MAC1105, College Algebra	3
<b>Natural Sciences Area</b>		
	• See General Education Core Requirement	3
<b>Social Sciences Area</b>		
Government/History	<ul style="list-style-type: none"> <li>•@POS 2041, American National Government or</li> <li>•@AMH 2010, United States History I or</li> <li>•@AMH 2020, United States History II and demonstrate Civic Literacy Competency</li> </ul>	3
<b>Major Courses</b>		
	#EET1084C, Introduction to Electronics	3
	#*ETD1320C, Introduction to CAD	3
	#ETI1701, Industrial Safety	3
	#ETI2110, Intro to Quality Assurance	3
	#ETI1420, Manufacturing Process	3
	#ETI2001C, Applied Mechanics	3
	#+*ETD2383C, Intermediate CAD/CAE/CAM	3
	#+ETD2384C, Advanced CAD/CAE/CAM	3
	#PMT2250C, CNC Programming I	3

	+ #PMT2254C, CNC Programming II	3
	#ETI2460C, Composites Fundamentals	3
	#+ETI2464C, Advanced Composites	3
	+ #ETD2371C, Introduction to 3D Printing	3
	+ #ETD2372C, Advanced Rapid Prototyping	3
	#ETS2931, Special Projects in Computer Integrated Manufacturing	2
	#ETI1949, Manufacturing Internship	1
<b>TOTAL DEGREE HOURS</b>		60

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**ALTERNATIVE ENERGY SYSTEMS SPECIALIST  
COLLEGE CREDIT CERTIFICATE  
(AESS-CCC)**

**AREA OF CONCENTRATION:** This certificate program will prepare students to meet the industry-specific skills needed for technicians in the new and emerging alternative and renewable energy fields, including occupational titles such as electrical technician, industrial engineering technician, solar photovoltaic installer and solar power plant technician, solar thermal installer and technician, energy auditor and smart grid technician. This program also provides supplemental training for persons previously or currently employed in occupations related to energy production, distribution, and storage.

Courses	Credit Hours
#*EET1084C, Introduction to Electronics	3
#ETP1501, Introduction to Energy, Environment, and Society	3
#ETP1500, Alternative Energy Inventory & Analysis	3
+#EET1035C, AC/DC Circuits	3
+#ETP1410C, Solar Energy	3
+#EPT1550, Alternative Fuels and Electric Vehicles	3
<b>TOTAL DEGREE HOURS</b>	<b>18</b>

**CNC MACHINIST  
COLLEGE CREDIT CERTIFICATE  
(CNC-CCC)**

**AREA OF CONCENTRATION:** The CNC machinist certificate reflects the culmination of those learned skills and proficiencies that allow a student to set-up and operate CNC machinery and turning centers at the entry level. The core courses provide training on a MAAS Mill, a Haas Lathe, and on machine shop operations. Complete the requirements for this certificate to get a head start in the field as a CNC machinist. There are many employment opportunities in the local and regional area in this field of study.

Courses	Credit Hours
#ETD1320C, Introduction to CAD	3
+#*ETD2383C, Intermediate CAD/CAE/CAM	3
#PMT2250C, CNC Programming I	3
+#PMT2254C, CNC Programming II	3
<b>TOTAL CERTIFICATE HOURS</b>	<b>12</b>

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**COMPOSITE FABRICATION AND TESTING  
COLLEGE CREDIT CERTIFICATE  
(CFT-CCC)**

**AREA OF CONCENTRATION:** In this certificate program students will develop an understanding of applied mathematics, semi-precision and precision measurement, safety, blueprint reading, materials and processes, fabrication and assembly knowledge, and skills related to advanced composites such as safety, matrices, fiber, basic design, layup methods, core materials, tooling, and bonding, and fastening.

Courses	Credit Hours
#ETI1701, Industrial Safety	3
#ETI2110, Introduction to Quality Assurance	3
#ETI1420, Manufacturing Processes	3
#ETI2001C, Applied Mechanics	3
#ETI2460C, Composites Fundamentals	3
#+ETI2464C, Advanced Composites	3
#ETI1949, Manufacturing Internship	1
<b>TOTAL CERTIFICATE HOURS</b>	<b>19</b>

**ENGINEERING TECHNOLOGY SUPPORT SPECIALIST  
COLLEGE CREDIT CERTIFICATE  
(ETSS-CCC)**

**AREA OF CONCENTRATION:** This certificate prepares students for entry level technical jobs in high tech production, manufacturing, distribution and engineering research and development facilities. [It is aligned with the MSSC (Manufacturing Skill Standards Council) Certified Production Technician (CPT) certification.]

Courses	Credit Hours
#EET1084C, Introduction to Electronics	3
#ETD1320C, Introduction to CAD	3
#ETI1701, Industrial Safety	3
#ETI2110, Introduction to Quality Assurance	3
#ETI1420, Manufacturing Processes	3
#ETI2001C, Applied Mechanics	3
<b>TOTAL DEGREE HOURS</b>	<b>18</b>

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**RAPID PROTOTYPING SPECIALIST  
COLLEGE CREDIT CERTIFICATE  
(RAPD-CCC)**

**AREA OF CONCENTRATION:** This certificate prepares students for initial employment with an occupational title as rapid prototyping, digital manufacturing specialist, industrial designers, product designers, or mechanical drafters, technicians, or detailers in various specialized areas of industry that use digital design and modeling and rapid prototyping, direct digital manufacturing or to provide supplemental training for persons previously or currently employed in these occupations.

Courses		Credit Hours
	#*ETD1320C, Introduction to CAD	3
	+##*ETD2383C, Intermediate CAD/CAE/CAM	3
	+##ETD2371C, Introduction to 3D Printing	3
	+##ETD2372C, Advanced Rapid Prototyping	3
<b>TOTAL DEGREE HOURS</b>		<b>12</b>

**FIRE SCIENCE TECHNOLOGY  
(FIRE-AS)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare graduates for advancement in the fire service. Completion of the company officer courses leads to Fire Officer Certification; completion of the inspection courses leads to Fire Inspector Certification.

<b>Communications Area</b>	•+*ENC1101, English I	3
<b>Humanities Area</b>	*See General Education Core Requirement	3
<b>Mathematics Area</b>	•+*See General Education Core Requirement	3
<b>Natural Sciences Area</b>	•See General Education Core Requirement	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•PSY2012, General Psychology	3
Government/History	•@POS 2041, American National Government or •@AMH 2010, United States History I or •@AMH 2020, United States History II and demonstrate Civic Literacy Competency	3
<b>Major Courses</b>	SPC1608, Intro. to Public Speaking	3
	CGS1570, Microcomputer Applications	3
	<sup>1</sup> #FFP2740, Fire Service Course Delivery	3
	<sup>1</sup> #FFP2810, Firefighting Strat. and Tactics I	3
	<sup>3</sup> #FFP1741, Fire Service Course Design	3
	<sup>2,3</sup> +##FFP1505, Fire Prevention Practices	3
	<sup>1</sup> #FFP2720, Company Officer	3
	<sup>2,3</sup> #FFP1540, Private Fire Protection Systems I	3
	<sup>1,2</sup> +##FFP2120, Building Construction	3
	<sup>3</sup> #FFP2811, Firefighting Strat. and Tactics II	3
	Technical Electives Inspection and/or Tactics Courses	12
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**Inspection Courses**

- <sup>2</sup># FFP1510, Building and Fire Codes, 3 crs.
- # FFP1610, Fire Cause and Arson Detection
- <sup>2</sup># FFP2521, Blueprint Reading and Plans Exam, 3 crs.

**Tactics Courses**

- # FFP1302, Fire Apparatus Operations, 3 crs.
- # FFP1301, Firestream Hydraulics, 3 crs.

**Technical Electives**

- <sup>2</sup># FFP2111, Fire Chemistry
- Any FFP Fire Science Course
- # EMS1119, Emergency Medical Technician, 5 crs.
- # EMS1401, Emergency Med. Tech. Lab, 5 crs.
- # EMS1335, Emergency Vehicle Operator I, 1 cr.
- # FFP2706, Public Information Officer, 3 crs.
- <sup>2</sup># FFP2770, Ethical & Legal Issues of the Fire Service, 3 crs.
- FFMS (with passing SCE), 3 crs.

**FFMS refers to State of Florida Firefighter Minimum Standards Training programs.**

**SCE refers to the state certification examinations.**

**Other training programs will be evaluated by the designated advisor.**

- <sup>1</sup> = Fire Officer I
- <sup>2</sup> = Fire Inspector
- <sup>3</sup> = Fire Officer II

**HOSPITALITY AND TOURISM MANAGEMENT (TOUR-AS)**

**AREA OF CONCENTRATION:** The Hilton Hospitality Management and Tourism program equips students with foundational business knowledge, operational skills, and customer service excellence required for supervisory roles in hospitality sectors such as lodging, food & beverage, tourism, and event management.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
Humanities Area		
	*See General Education Core Requirement	3
Mathematics Area		
	•+*See General Education Core Requirement	3
Natural Sciences Area		
	• See General Core Education Requirement	3
Social Sciences Area		
Government/History	<ul style="list-style-type: none"> <li>•@POS 2041, American National Government or</li> <li>•@AMH 2010, United States History I or</li> <li>•@AMH 2020, United States History II and demonstrate Civic Literacy Competency</li> </ul>	3
<b>MAJOR COURSES</b>		
	HFT1000, Introduction to the Hospitality Industry	3
	#HFT1254, Lodging Operations	3
	CGS1570, Microcomputer Applications	3
	MAN1300, Introduction to Human Resource Management	3
	#HFT1210, Leadership and Managerial Development	3
	#HFT1600, Hospitality Law	3
	#HFT1800, Food and Beverage Management	3
	+HFT2750, Convention Service Management	3
	#HFT2401, Hospitality Accounting and Financial	3

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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	Analysis	
	#HFT2501, Hospitality Marketing	3
	#FOS2201, Sanitation and Safety	2
	#HFT2451, Cost Control and Purchasing	3
	#HUN1001, Survey of Nutrition	2
	+HFT2867C, Wine Essentials	3
	+HFT2949, Hospitality COOP	5
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

### **GUEST SERVICES SPECIALIST (GSS-CCC)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students for exciting careers in the vibrant hospitality and tourism industry. Students will develop the skills to create exceptional guest experiences and deliver top-quality service in luxury resorts, hotels, fine dining, elevated events, and domestic tourism operations. This hands-on program emphasizes customer relations, front office operations, and event coordination, equipping graduates for roles such as guest service representative, concierge, or hospitality coordinator.

<b>MAJOR COURSES</b>		
	HFT1000, Introduction to the Hospitality Industry	3
	#HFT1254, Lodging Operations	3
	CGS1570, Microcomputer Applications	3
	#HFT1210, Leadership and Managerial Development	3
	+HFT2949, Hospitality COOP	3
<b>TOTAL DEGREE HOURS</b>		<b>15</b>

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**NETWORK SYSTEMS TECHNOLOGY (CYBR-AS)**

The Associate in Science degree in Network Systems Technology prepares graduates for careers in the Information Technology Career Cluster, including, but not limited to, systems/network/security managers, administrators, technicians, and specialists; ethical hackers/penetration testers/technicians, and customer/technical support personnel.

This program maps courses to industry recognized certification pathways including those offered by CompTIA, Cisco, EC-Council, EMC, VMware, and Microsoft.

Students complete **15 general education** and **36 major course hours** along with **9 credit hours** from one of four concentrations—network administration, or Degree-seeking students also complete one or more college credit certificates as part of their program.

College Credit Certificate embedded in this specialization  
NESAs-CCC, Network Server Administration

		<b>Credit Hours</b>
<b>Communications Area</b>		
	•+*ENC1101, English I	3
<b>Humanities Area</b>		
	See General Education Core Requirement	3
<b>Mathematics Area</b>	•+*MAC1105, College Algebra	3
<b>Natural Sciences Area</b>		
	•See General Education Core Requirement	3
<b>Social Sciences Area</b>		
Government/History	•@POS 2041, American National Government or •@AMH 2010, United States History I or •@AMH 2020, United States History II and demonstrate Civic Literacy Competency	3
<b>MAJOR COURSES</b>		
	*CTS1111, Linux+	3
	+*CTS1120, Computer and Network Security (Security+)	3
	##*CTS1131, A+ Hardware	3

	*CTS1133, Desktop Operating Systems (A+ Software)	3
	*CTS1650, Network Fundamentals	3
	+*CTS1651, Cisco Router Technology/Router Protocols and Concepts	3
	+*CTS2652, Advanced Router Technology (CISCO/CCNA)	3
	+*CTS2193, Cloud Essentials	3
	*CTS1390, Installing & Configuring Windows Server	3
	+##*CNT1510, Wireless Networking	3
	+*CTS2315, Intrusion Detection and Firewalls	3
	CGS1103, Project Management Concepts and Processes	3
	*COP1000, Introduction to Programming Logic	3
	+*CTS2370, Virtual Infrastructure: Installation and Configuration	3
	+##*CTS2941, Network Technology Services Capstone	3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
 @Civic Literacy.

**NETWORK SERVER ADMINISTRATION  
COLLEGE CREDIT CERTIFICATE  
(NESA-CCC)**

The Network Server Administration certificate prepares students for careers in the Information Technology Career Cluster as network support technicians/administrators.

Courses	Credit Hours
*CTS1111, Linux+	3
*CTS1650, Network Fundamentals	3
*CTS1390, Installing & Configuring Windows Server	3
#*CTS1131, A+ Hardware	3
*CTS1133, Desktop Operating Systems (A+ Software)	3
+#*CNT1510, Wireless Networking	3
+*CTS1120, Computer and Network Security (Security+)	3
+*CTS1651, Cisco Router Technology/Router Protocols and Concepts	3
<b>TOTAL DEGREE HOURS</b>	<b>24</b>

**NURSING, ASSOCIATE DEGREE  
(RN-AS)**

**AREA OF CONCENTRATION:** The purpose of the associate in science nursing program is to prepare students for eligibility to apply for the Registered Nurse National Council Licensing Examination.

The nursing program is fully approved by the Florida State Board of Nursing and accredited by the Accreditation Commission for Education in Nursing (ACEN) formerly the National League of Nursing and the Accrediting Commission (NLNAC). Institutional membership is maintained in the NLN Council of Associate Degree Programs and the National Organization of Associate Degree Nursing.

Upon successful completion of the prescribed course of study, students receive an Associate in Science Degree in Nursing which enables them to apply for the National Council Licensure Examination (NCLEX-RN). Upon successful completion of this examination, the Registered Nurse (R.N.) License is received.

This program will articulate into a baccalaureate degree program in nursing at all universities in the State University System.

**Before beginning this program of study, students should obtain a program application packet from the Division of Nursing containing a *current* listing of admission and course requirements.**

**APPLICATION PROCESS:**

**(The items below are listed only as a general guide. Students should obtain a current application packet for the complete listing of entry requirements.)**

1. Application to Gulf Coast State College must be completed prior to applying for the associate in science nursing program.
2. Submit the completed nursing program application to the Nursing Division.
3. Submit all previous school transcripts (including high school/GED and all previous colleges) to the Office of Enrollment Services for evaluation.
4. Submit proof, as outlined in the application packet, of college level competency in reading, English, and algebra.
5. Successfully complete, with a "C" or higher, BSC 2085 and BSC 2085L (Anatomy and Physiology I lecture and Lab).
6. Successfully complete, with a "C" or better, a 3-credit, college-level math course.
7. Successful completion, with a "C" or higher, POS2041, American National Government or AMH2020, United States History II.

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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8. Contact the Academic Program Specialist, Health Sciences to be assigned to a nursing faculty advisor.
9. Successfully complete the Health Education Systems Incorporated (HESI) exam. Registration process, study information, and minimum scores are contained in the nursing application packet.

The Nursing program is a selective admission, limited enrollment program. Admission to Gulf Coast State College and the satisfaction of minimum requirements does not automatically guarantee admission. When space is limited, preference may be given to students within the college's assigned district.

**Deadline for Selection:** All entry requirements, as outlined in the program application packet, must be completed by the appropriate deadlines for the two start dates each year. The deadline for the fall start date is the last working day of February and the deadline for the spring start date is the last working day of September.

Requirements after Conditional Acceptance:

- A. Satisfactory fingerprint / criminal background check.
- B. Copy of valid CPR certification. The American Heart Association Health Care Provider Life Support Course is the only acceptable certification.
- C. Completion of physical examination (with satisfactory results), including copy of immunization form.
- D. Ten-panel drug screen with satisfactory results.

Refer to Nursing Student Handbook for retention, dismissal, and readmission policies.

**Transfer Credit:** Academic courses taken at other colleges are transferable provided credit and laboratory hours correspond with those required at GCSC. CLEP credits are acceptable for transfer according to college policy. The possibility of transferring nursing courses can be determined only after a review of the individual's transcript and course outlines. Advanced placement students are admitted on a space-available basis.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
<b>Humanities Area</b>		3
	•*See General Education Core Requirement	
<b>Mathematics Area</b>		
	•+* See General Education Core Requirement	3

<b>Natural Sciences Area</b>		
	•+*BSC2085, Anatomy and Physiology I	3
<b>Social Sciences Area</b>		
Government/History	•*@POS 2041, American National Government or •@AMH 2010, United States History I or •*@AMH 2020, United States History II, and demonstrate Civic Literacy Competency	3
<b>Major Courses</b>		
	+*BSC2085L, Anatomy & Physiology I Lab	1
	+*BSC2086, Anatomy & Physiology II	3
	+*BSC2086L, Anatomy & Physiology II Lab	1
	+*MCB2004, Microbiology	3
	+*MCB2004L, Microbiology Lab	1
	*HUN1201, Principles of Nutrition	3
	*DEP2004, Developmental Psychology	3
	+*#NUR1022C, Foundations of Nursing Practice	3
	+*#NUR1210C, Basic Care of the Adult	4
	+*#NUR1213C, Intermediate Adult Care	10
	+*#NUR1142, Introduction to Pharmacology	2
	+*#NUR2420C, Maternal-Infant Nursing	4
	+*#NUR2310C, Nursing Care of the Child	4
	+*#NUR2520C, Psychiatric-Mental Health Nursing	4
	+*#NUR2214C, Advanced Adult Care	11
<b>TOTAL DEGREE HOURS</b>		<b>72</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**LPN-to-ADN ARTICULATION**

PRIMARY ADVISOR: Martha Ruder (ext. 3314)

**AREA OF CONCENTRATION:** This program is designed to facilitate the transition from the role of licensed practical nurse to registered nurse. LPN applicants may earn up to 17 credits of nursing based on competency testing results.

This Nursing program is a selective admission, limited enrollment program. Admission to Gulf Coast State College and the satisfaction of minimum requirements do not automatically guarantee admission.

Before beginning this program of study, students should obtain a program application packet from the Division of Nursing containing a *current listing of admission requirements*.

**Application Process:** Complete application process as noted in the LPN-to-ADN program articulation.

**Minimum Requirements for Admission to LPN-to-ADN Articulation:**

Prior to entering NUR 1005C Nursing Transition, students must follow the checklist for students seeking LPN transition admission as outlined in the LPN-to-ADN articulation packet.

Requirements for completion of additional cognate courses will be determined based on placement of applicant within the nursing sequence.

Students choosing Option A in the articulation packet are required to take Excelsior College Mobility Exams. Official results from the following mobility exams must be sent to the registrar's office and a copy sent to the nursing department BEFORE the applicant can enroll in NUR 1005C. Guidelines for awarding of credit once accepted into the program are as follows:

**Excelsior College Mobility Exam and Number:**

*Fundamentals of Nursing (NURX-210)*

GCSC Credit: NUR 1022C

Minimum Required for Credit: Grade of "C"

Maximum Semester Hrs. Credit: 3

*Adult Nursing (NURX-310)*

GCSC Credit: NUR1213C

Minimum Required for Credit: Grade of "C"

Maximum Semester Hrs. Credit: 10

*Foundations of Gerontology (SOCX-310)*

GCSC Credit: NUR 1210C

Minimum Required for Credit: Grade of "C"

Maximum Semester Hrs. Credit: 4

Students choosing Option B in the articulation packet are required to enroll in NUR1000C (Nursing Transitions, 5 credits). Content of the previous practical Nursing content areas of Foundations of Nursing Practice, Adult Nursing, and Foundations of Gerontology will be validated in this course.

Maximum Semester Hrs. Credit: 5

- A. Official transcripts must be sent to Enrollment Services. A current copy of the applicant's nursing license must be on file in the Nursing Division.
- B. Copy of valid CPR certification. The American Heart Association Health Care Provider Life Support Course is the only acceptable certification.
- C. Current education certificates in the Nursing file for HIV/AIDS, Domestic Violence, Medical Errors, Infection Control, IV Therapy, and HIPAA.

**Scheduling Options:**

The *Traditional Scheduling Option* allows the student to merge into the third semester of an existing weekday RN class. Once selected, this option will allow students to complete the RN program in two semesters. Students may be selected to enter the Traditional option during either fall or spring semesters.

The *Weekend Scheduling Option* selects two classes of students per year. Classes start every fall and spring semester and meet Friday afternoons with 12.5-hour Saturday or Sunday clinicals.

Additional Information:

- **Retention and Dismissal Requirements** - Refer to Nursing Student Handbook.
- **Readmission Requirements** - Refer to Nursing Student Handbook.
- **Transfer Credits** - Refer to associate degree nursing designated curriculum.
- **Graduation Requirements** - Refer to associate degree nursing.
- **Course Curriculum** - Refer to associate degree nursing.

Upon conditional acceptance into the nursing program, students must also submit:

- A. Satisfactory fingerprint / criminal background check.
- B. Medical examination with satisfactory results and copy of complete immunization record, including Hepatitis B immunization or signed waiver, and PPD or medical denial of symptoms.
- C. Ten-panel drug screen with satisfactory results.

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**PERIOPERATIVE NURSING**

Occupational training for the Registered Nurse (RN) QL GCSC nursing student (RN-AS).

**GOAL:** This course is designed to introduce the nursing student or registered nurse to Perioperative Nursing with a focus on the Intraoperative component. This course includes an introduction to the patient's perioperative experience, roles and responsibilities of the registered nurse; principles and practice of sterile technique; sterilization and disinfection; operating room hazards; and an introduction to surgical technique.

Completion of NSP2290 must be achieved within one semester (Summer semester). NSP2290L offers advanced training in the area of surgical nursing for any current GCSC nursing student (RN-AS) in between their second and fourth semesters (Summer semester). Students must maintain a minimum of a 2.0 GPA throughout the duration of the course and upon completion of the course to continue in the GCSC RN-AS program. NSP2290L is also offered to any licensed registered nurse. This course is offered in cooperation with clinical affiliates.

Courses		Credit Hours
	+#*NSP2290, Perioperative Nursing Theory	3
	#*NSP2290L, Clinical Internship in Perioperative Nursing	3

**REGISTERED NURSE FIRST ASSISTANT  
ADVANCED TECHNICAL CERTIFICATE  
(RNFA-ATC)**

**AREA OF CONCENTRATION:** These courses are designed to introduce the Certified Perioperative Nurse (CNOR), CNOR eligible registered nurse (must have CNOR within 6 months of completion of the RN FA-ATC to receive certificate from GCSC), and/or Advanced Practice Registered Nurse (APRN) to the perioperative specialty of surgical first assisting with a focus on the intraoperative component. The roles and responsibilities of the RNFA along with the principles and surgical techniques of first assisting practice are covered through each course. The RNFA-ATC certificate program meets the requirements of the Association of Perioperative Nurses (AORN) "Core Curriculum for the RN First Assistant" and the eligibility requirements of the National Assistant at Surgery Certification (NASC).

The following are the eligibility requirements for the RNFAATC according to the AORN standards for RNFA Education programs:

- Proof of licensure to practice as an RN in the state in which the clinical internship will be undertaken.
- Verification that the student has or is eligible for one of the following credentials:

CNOR: if the student is not certified as a CNOR at the time of admission, proof of certification must be submitted before a certificate of completion is awarded.

APRN: proof of recognition must be submitted before a certificate of completion is awarded. (APRNs without experience in perioperative patient care must undergo an assessment by the program instructor. The assessment should include competency in preoperative and postoperative care, aseptic technique, scrubbing, gowning, gloving, creating and maintaining a sterile field, and positioning the patient. If it is determined that the applicant's knowledge or skills are deficient, faculty members in the educational institution shall develop a plan to remediate the identified deficiencies.)

- Certification in cardiopulmonary resuscitation (CPR) or basic cardiac life support (BCLS)(required) or advanced cardiac life support (ACLS)(preferred).
- Letters of recommendation attesting to the applicant's experience as an RN and the applicant's knowledge, judgment, and skills specific to perioperative patient care.

Upon successful completion of all core graduation requirements,

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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graduates of this program will receive a Registered Nurse First Assistant Advanced Technical Certificate (RNFA-ATC). Successful completion of the program will allow graduates to apply to take the national certifying examination "Certified Registered Nurse First Assistant (CRNFA)" and/or the "Registered Nurse Assistant at Surgery - Certified (RNAS-C)," both are offered through the National Assistant at Surgery Certification (NASC), provided all the eligibility requirements currently established are met. Program completion is achieved over 2 semesters (Summer and Fall) for all courses. The combination lab/clinical course provide "hands on" experience in the Registered Nurse First Assistant role.

Students must complete the on-site lab experience before starting their clinical rotations. Exact dates are available from the Coordinator of Surgical Services. To apply for this program of study, students should obtain a program information packet from the Division of Health Sciences containing a current listing of admission and course requirements.

#### APPLICATION PROCESS:

- A. Apply for admission to Gulf Coast State College.
- B. Submit the Registered Nurse First Assistant program online application and a copy of your current licensure as a RN or APRN.
- C. Submit the Verification of Eligibility form for the program.
- D. Submit official high school or GED transcripts to Enrollment Services.
- E. Submit official transcripts from all previous colleges to Enrollment Services for evaluation.
- F. Have two reference letters/ forms emailed to the academic program specialist (healthsciencesGCSC@gulfcoast.edu)
- G. Completion of all PreCheck and SentryMD requirements as required by the RNFA program and the intended clinical site.

Degree Plan: Please refer to the degree plan to see the course layout for the RNFA program.

Courses		Credit Hours
Summer	+#*NSP2290, Perioperative Nursing Theory or proof of certification as a perioperative nurse (CNOR)	3
Summer	+#*NSP2090, Registered Nurse First Assistant Theory	3
Fall	+#*NSP2090L, Registered Nurse First Assistant Lab and Clinical	3
<b>TOTAL DEGREE HOURS</b>		<b>9</b>

#### PHYSICAL THERAPIST ASSISTANT (PTA-AS)

**AREA OF CONCENTRATION:** Upon successful completion of the prescribed course of study and clinical practice, this program prepares students to become Physical Therapist Assistants. Graduates wishing to be employed in Florida are required, under Chapter 486, Physical Therapy Practice, to be licensed. Graduates are eligible to take the national Physical Therapist Assistant licensing examination and the Florida laws and rules examination. Licensed Physical Therapist Assistants will work in various health care facilities such as hospitals, rehabilitation facilities, home health care, and outpatient clinics, under the direction and supervision of a licensed Physical Therapist.

The Physical Therapist Assistant program is an intensive, full-time program that is designed to be completed in two years. Courses must be taken in the prescribed sequence.

The Physical Therapist Assistant program at Gulf Coast State College is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 3030 Potomac Ave., Suite 100, Alexandria, Virginia 22305-3085; telephone: 703-706-3245; email: accreditation@apta.org; website: <http://www.capteonline.org>. If needing to contact the program/institution directly, please call 850-913-3312 or email [mcumbaa@gulfcoast.edu](mailto:mcumbaa@gulfcoast.edu).

**To apply for this program of study, students should obtain a program information packet from the Health Sciences web page containing a current listing of admission guidelines and course requirements.**

**PRIMARY ADVISOR:** Dr. Melinda Cumbaa, (850) 913-3312

#### PROFESSIONAL LICENSURE DISCLOSURE:

Gulf Coast State College is approved to offer programs that may lead to professional licensure or certification in Florida. GCSC does not guarantee that programs which fulfill Florida licensing requirements will satisfy the criteria of professional licensure boards in other states, as each state has unique requirements for professional licensure or certification which are subject to change at any time and without notice. Enrolled students and prospective students are strongly encouraged to contact their state's licensure entity to review all licensure or certification requirements imposed by their state(s) of choice. Please review the licensing board for guidance on the professional licensure or certification requirements for programs in your home state or where you would like to practice professionally. GCSC is required by the National Council for State Authorization Reciprocity Agreements (NC-SARA) to disclose whether your prospective program meets the professional licensure or certification

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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requirements in other states. NC-SARA does not address professional licensure issues.  
<https://gulfoast.edu/academics/online/professional-licensure-disclosure.html>

**Application Process:**

- A. Apply to Gulf Coast State College. General admission to the college must be granted prior to applying to the Physical Therapist Assistant program. General admission to Gulf Coast State College does not imply acceptance into the Physical Therapist Assistant program. This is a limited access program.
- B. Official high school transcript or GED and official college transcripts from each college or university attended must be sent to Enrollment Services and evaluated by that office. A minimum GPA of 2.5 is required. Preference is given to those students with a science background.
- C. Demonstration of Math/Algebra, English and Reading Competency via current (within 2 years) CPT/PERT scores or ACT/SAT equivalent. Approved college-level courses in Math/Algebra, English, and Reading may also satisfy competency requirements as listed in the information packet.
- D. Apply to the Physical Therapist Assistant program by the spring deadline as published in the Physical Therapist Assistant program information packet. One class per year will be admitted the following fall semester. Students not admitted for the year in which they applied must reapply if they wish to be considered for entry in a subsequent year. There is no waiting list. The Physical Therapist Assistant program application should include:
  1. Physical Therapist Assistant Online Program Application
  2. Technical Standards Acknowledgement
  3. Additional documentation if applicable (as specified in the information packet, e.g., work/observation form)

**Requirements after Conditional Acceptance:**

- A. Transcripts: If completing a college level course after the application deadline, please submit an updated transcript to Enrollment Services. If high school graduation occurs after the application deadline, official high school transcripts must be received by Enrollment Services prior to the first semester (fall term).
- B. Submit satisfactory physical examination (signed by a licensed physician/health care provider)
- C. Submit and maintain a report of vaccination history
- D. Complete satisfactory background check and drug screening results (required annually, and at the request of individual clinical sites per facility requirements)
- E. Attend Physical Therapist Assistant Program Orientation

- F. Complete Interprofessional Healthcare Training in August prior to the first semester (fall term). This includes:
  - HIPAA Training
  - HIV/AIDS Training
  - Prevention of Medical Errors
  - Domestic Violence Training
  - Infection Control Training
  - Interprofessional Education
  - Airborne Precautions with Mask Fit
  - Human Trafficking
- G. Submit a copy of the current Cardiopulmonary Resuscitation (CPR) certificate (BLS for Healthcare Providers) by the AHA is preferred. This should be completed by the end of the first semester (fall term).
- H. Completion of all curriculum courses with a grade of "C" or better. All general education courses (courses that do not start with PHT) should be completed by the end of the third semester (summer term), prior to beginning clinical coursework. Students must also demonstrate competency in Civic Literacy pursuant to s.1007.25 F.S.
- I. Provide proof of health insurance upon request for clinical placement, during third semester. (If a student does not have health insurance this may limit clinical site availability/selections.)
- J. Comply with program policies. Specific program policies can be found in the Physical Therapist Assistant Program Handbook.

**Readmission Guidelines:**

A student who withdraws from or earns a grade lower than a "C" in one of the approved science courses and/or in a technical (PHT) course will not be permitted to progress in the Physical Therapist Assistant Program. A student who does not meet the Technical Standards of the program will not be permitted to continue in the program.

- A. Applicants who wish to apply for readmission should do so by the May application deadline, prior to the upcoming fall semester they wish to enter. Students who fail to obtain a minimum of a "C" in two or more PHT courses will be ineligible for readmission.
- B. Readmission to the Physical Therapist Assistant program is not guaranteed and will be dependent upon available resources.
- C. In order to be considered for readmission by the Admissions Committee, the applicant must meet current guidelines for admission to the College and the Physical Therapist Assistant program.
- D. Readmission may be contingent upon the candidate's agreeing to audit previously completed course work.
- E. A student who applies for readmission to the Physical Therapist Assistant program must provide significant evidence which suggests the potential for future success in the program.

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**PTA Program Transfer Policy:**

Applicants who wish to transfer from another PTA Program to the GCSC PTA Program must 1)meet all current admission requirements, 2)apply by the application deadline prior to the fall semester they wish to enter, 3) notify the coordinator in writing, stating anticipated entry date and reason for transfer, 4) provide evidence of successful completion of previous core PTA courses from a CAPTE accredited program, and 5) provide a letter from the program chair stating that the student is in good academic and clinical standing and is eligible to return to the PTA program they wish to transfer from. Acceptance of any transfer student will be dependent upon available resources.

Transferability of GCSC PTA courses to another institution will be dependent upon acceptance of the receiving institution.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
Humanities Area		
	*See General Education Core Requirement	3
Mathematics Area		
	●+* See General Education Core Requirement	3
Natural Sciences Area		
	+*BSC2085, Anatomy and Physiology I	3
	+*BSC2085L, Anatomy & Physiology I Lab	1
	+*BSC2086, Anatomy & Physiology II	3
	+*BSC2086L, Anatomy & Physiology II Lab	1
Social Sciences Area		
Government or History	●*@POS 2041, American National Government or ●*@AMH 2010, United States History I or ●*@AMH 2020, United States History II, and demonstrate Civic Literacy Competency	3
Behavioral Sciences	●PSY2012, General Psychology	3
Major Courses		
	*#HSC1531, Medical Terminology	2
	+*#PHT1000, Intro. to Physical Therapy	2
	+*#PHT1102, Applied Anatomy for PTAs	2

	+*#PHT1102L, Applied Anatomy Lab for PTAs	1
	+*#PHT1200, Basic Skills in Patient Care	2
	+*#PHT1200L, Basic Skills in Patient Care Lab	2
	+*#PHT1124, Functional Human Motion	2
	+*#PHT1124L, Functional Human Motion Lab	1
	+*#PHT1131, Assessment, Measure, Document	1
	+*#PHT1131L, Assessment, Measurement and Documentation Lab	2
	+*#PHT1220, Intro. to Therapeutic Exercise	3
	+*#PHT1220L, Therapeutic Exercise Lab	2
	+*#PHT2224, Therapeutic Interventions I: Medical/Surgical Disabilities	2
	+*#PHT2224L, Therapeutic Interventions I Lab	1
	+*#PHT2211, Therapeutic Modalities	2
	+*#PHT2211L, Therapeutic Modalities Lab	2
	+*#PHT2225, Therapeutic Interventions II: Orthopedic Disabilities	3
	+*#PHT2225L, Therapeutic Interventions II Lab	2
	+*#PHT2226, Therapeutic Interventions III: Neurological Disabilities	3
	+*#PHT2226L, Therapeutic Interventions III Lab	2
	+*#PHT2801, PTA Clinical Practice I	2
	+*#PHT2810, PTA Clinical Practice II	4
	+*#PHT2820, PTA Clinical Practice III	4
	+*#PHT2931, Seminar	2
<b>TOTAL DEGREE HOURS</b>		<b>74</b>

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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## RADIOGRAPHY (RAD2-AS)

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students to become registered radiographers, following successful completion of the prescribed courses of study and clinical practice. Graduates who pass the American Registry of Radiologic Technologist's examination will be eligible to work as radiographers in various health care facilities such as hospitals, doctors' offices and sports medicine clinics. The duration of the program is approximately 21 months. Courses must be completed in the prescribed sequence. In addition to general education requirements, students will learn to safely perform diagnostic radiographic examinations.

**The Radiography program is a limited access program. A selective admissions policy with specific selection criteria is utilized in order to select the most qualified applicants. The strength of the applicant pool varies year-to-year, with the best qualified applicants receiving first consideration. It is the applicant's responsibility to inquire about these specific admission and selection criteria and to ensure that all required documents are received on campus prior to the third Friday in May as outlined in the application packet.**

**PRIMARY ADVISOR:** Lacy Newsom, (850) 913-3318

To apply for this program of study, students should obtain a program information packet from the Health Sciences web page containing a current listing of admission guidelines and course requirements.

### PROFESSIONAL LICENSURE DISCLOSURE:

Gulf Coast State College is approved to offer programs that may lead to professional licensure or certification in Florida. GCSC does not guarantee that programs which fulfill Florida licensing requirements will satisfy the criteria of professional licensure boards in other states, as each state has unique requirements for professional licensure or certification which are subject to change at any time and without notice. Enrolled students and prospective students are strongly encouraged to contact their state's licensure entity to review all licensure or certification requirements imposed by their state(s) of choice. Please review the licensing board for guidance on the professional licensure or certification requirements for programs in your home state or where you would like to practice professionally. GCSC is required by the National Council for State Authorization Reciprocity Agreements (NC-SARA) to disclose whether your prospective program meets the professional licensure or certification requirements in other states. NC-SARA does not address professional licensure issues.

<https://gulfoast.edu/academics/online/professional-licensure-disclosure.html>

### Conditional Admission Requirements:

1. Apply for admission to Gulf Coast State College
2. Submit program application form including the technical standards acknowledgement
3. Completion of core general education math requirement, BSC2085, BSC2085L, BSC2086, and BSC2086L with a grade of "C" or better
4. Demonstrate English and reading competency via current (within two years) CPT/PERT scores or ACT/SAT equivalent. Approved college-level course in English/reading may also satisfy competency as noted in the information packet.
5. Cumulative Grade Point Average (GPA) or 2.5 or higher
6. Submit official high school transcript or copy of GED transcript to the Office of Enrollment Services prior to the application deadline
7. Submit all official college transcripts to the Office of Enrollment Services for evaluation prior to the application deadline

The program begins in the fall semester each year. The deadline for submission of the completed application package is the third Friday in May. The program employs a selective admission process whereby applicants are chosen based on a composite admissions score. Applicants who meet all minimum requirements for admission are evaluated for their preparedness to enter the program. The following areas are considered:

1. Final course grades in core general education math requirement, BSC2085, BSC2085L, BSC2086, and BSC2086L
2. Cumulative Grade Point Average (GPA) on all course work completed
3. Details regarding enhancement point opportunities are listed in the Radiography Program information packet. The program information packet can be found on the Radiography Program's web page.

Program policies regarding transfer, retention, dismissal, and readmission of students are found in the *Radiography Student Handbook*. The handbook can be found on the Radiography Program's web page.

### Requirements after conditional acceptance:

1. Satisfactory fingerprint / criminal background check through Gulf Coast State College
2. Current CPR certification from the American Heart Association Health Care Provider Basic Life Support Course
3. Completion of physical examination with satisfactory results signed by a physician or primary healthcare provider
4. Current immunization records to include the following:
  - Hepatitis B vaccine series (or signed declination waiver)
  - PPD Mantoux/TB Test (may require chest radiograph if previously positive PPD Mantoux/TB test)

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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- MMR (Measles, Mumps, Rubella)
  - Varicella (Chickenpox) or positive titer
  - Tetanus-Diphtheria (Tetanus every 10 years)
  - Influenza (or signed declination)
  - COVID-19 (or signed declination)
  - Polio (or signed declination)
5. Completion of the Healthcare Interprofessional Training courses (every 2 years) which include: Domestic Violence, HIPAA, HIV/AIDS- 2hrs., Hospital Orientation, Human Trafficking, Infection Control, Interprofessional Education (IPE), Prevention of Medical Errors, and Airborne Precautions with Mask Fit

Communications Area		Credit Hours
	•+*ENC1101, English I	3
<b>Humanities Area</b>		
	*See General Education Core Requirement	3
<b>Mathematics Area</b>		
	•+* See General Education Core Requirement	3
<b>Natural Sciences Area</b>		
	+*BSC2085, Anatomy and Physiology I	3
	+*BSC2085L, Anatomy & Physiology I Lab	1
	+*BSC2086, Anatomy & Physiology II	3
	+*BSC2086L, Anatomy & Physiology II Lab	1
<b>Social Sciences Area</b>		
Government/History	•*@POS 2041, American National Government or •*@AMH 2010, United States History I or •*@AMH 2020, United States History II, and demonstrate Civic Literacy Competency	3
<b>Major Courses</b>		
	+*#RTE1000, Intro to Diagnostic Imaging	2
	+*#RTE1111C, Intro to Patient Care	2
	+*#RTE1503, Radiographic Procedures/Positioning I	3
	+*#RTE1503L, Radiographic Procedures/Positioning Lab I	1
	+*#RTE1804, Clinical	3

	Education I	
	+*#RTE1418, Prin. of Radiographic Exposure I	3
	+*#RTE1513, Radiographic Procedures/Positioning II	3
	+*#RTE1513L, Radiographic Procedures/Positioning Lab II	1
	+*#RTE1814, Clinical Education II	3
	+*#RTE1457, Prin. of Radiographic Exposure II	4
	+*#RTE1523, Radiographic Procedures/Positioning III	2
	+*#RTE1523L, Radiographic Procedures/Positioning Lab III	1
	+*#RTE1824, Clinical Education III	4
	+*#RTE2385, Radiobiology and Radiation Protection	3
	+*#RTE2782, Radiographic Pathology	2
	+*#RTE2834, Clinical Education IV	5
	*#RTE2563, Advanced Medical Imaging	3
	+*#RTE2844, Clinical Education V	5
	+*#RTE2061, Radiography Seminar	2
	*HSC1531, Medical Terminology	2
	*CGS1570, Microcomputer Applications	3
<b>TOTAL DEGREE HOURS</b>		<b>77</b>

• General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
 @Civic Literacy.

**RESPIRATORY CARE  
(RESP-AS)****AREA OF CONCENTRATION:**

The purpose of this program is to prepare students to become registered respiratory therapists by obtaining the National Board of Respiratory Care (RRT) credential. Respiratory therapists are employed in hospitals, rehabilitation facilities, sleep disorder clinics, pulmonary function labs, hyperbaric chambers, skilled nursing facilities, and home health agencies.

**PROGRAM ADVISOR:** Jennifer Barber, (850) 872-3837

**PROFESSIONAL LICENSURE DISCLOSURE:**

Gulf Coast State College is approved to offer programs that may lead to professional licensure or certification in Florida. GCSC does not guarantee that programs which fulfill Florida licensing requirements will satisfy the criteria of professional licensure boards in other states, as each state has unique requirements for professional licensure or certification which are subject to change at any time and without notice. Enrolled students and prospective students are strongly encouraged to contact their state's licensure entity to review all licensure or certification requirements imposed by their state(s) of choice. Please review the licensing board for guidance on the professional licensure or certification requirements for programs in your home state or where you would like to practice professionally. GCSC is required by the National Council for State Authorization Reciprocity Agreements (NC-SARA) to disclose whether your prospective program meets the professional licensure or certification requirements in other states. NC-SARA does not address professional licensure issues.  
<https://gulfcoast.edu/academics/online/professional-licensure-disclosure.html>

In accordance with 34 C.F.R. § 668.43, GCSC has determined the Respiratory Care program meets the educational licensure requirements for all 50 states, the District of Columbia, and the US protectorates, as defined in 34 C.F.R. § 600.2. It is strongly encouraged that students, applicants, and prospective students determine any additional requirements for licensure in the State in which they seek to be licensed. Information regarding State licensure can be found at: <https://practitionerportal.nbrc.org/licensure/list>. If you need assistance or have any questions, please contact Jennifer Barber at [jbarber@gulfcoast.edu](mailto:jbarber@gulfcoast.edu) or 850-872-3837

**To apply for this program of study, students should obtain a program information packet from the Health Sciences web page containing a current listing of admission guidelines and course requirements.**

Gulf Coast State College Respiratory Care Program (CoARC #200449) is fully accredited by the Commission on Accreditation for Respiratory Care (CoARC).

**ADMISSION PROCESS:**

The Respiratory Care program is a limited access program. A selective admissions policy with specific selection criteria is utilized in order to select the most qualified applicants. The strength of the applicant pool varies year-to-year, with the highest qualified applicants receiving first consideration. The program begins in the fall semester each year. The deadline for submission of the completed application package is the first business day in June. The program employs a selective admission process whereby applicants are chosen based on a composite admissions score. Applicants who meet all minimum requirements for admission as evaluated for their preparedness to enter the program. The following areas are considered:

1. Final course grades in MAC1105 or equivalent, BSC2085, BSC2085L, BSC2086, and BSC2086L.
2. Cumulative Grade Point Average (GPA) on all course work completed.

It is the applicant's responsibility to inquire about these specific admission and selection criteria and to ensure that all required documents are received on campus prior to the deadline published in the information packet.

**Provisional Admission Requirements:**

- A. Apply to Gulf Coast State College. General admission to the college must be granted prior to applying to the Respiratory Care program. General admission to Gulf Coast State College does not imply acceptance into the Respiratory Care program. This is a limited access program.
- B. Official high school transcript or GED and all official to college transcript(s) sent to Enrollment Services for evaluation
- C. Demonstration of math/algebra, English and Reading competency via current (within 2 years) CPT/PERT scores or ACT/SAT equivalent. Approved college-level courses in Math/Algebra, English, and Reading may also satisfy competency requirements
- D. Application to Respiratory Care program, including:
  1. Respiratory Care application
  2. Core Performance Standards for Admission and Progression
  3. Discussion "Why are you interested in becoming a Respiratory Therapist"
  4. Additional documentation if applicable (as specified in information packet)

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**Requirements after Provisional Acceptance:**

- A. Completion of prerequisite courses with a grade of "C" or better prior to First Year Fall-Term 2
  - 1. BSC2085, Anatomy and Physiology I
  - 2. BSC2085L, Anatomy & Physiology I Lab
  - 3. ENC1101, English Composition I
  - 4. College-level Math
- B. Report of Vaccination History to include:
  - 1. Hepatitis B Surface Antigen test
  - 2. Hepatitis B vaccine series, if surface antigen is positive (or signed declination waiver)
  - 3. PPD Mantoux/TB Test (may require chest radiograph if previously positive PPD Mantoux/TB test)
  - 4. MMR (Measles, Mumps, Rubella)
  - 5. Varicella (Chickenpox)
  - 6. Tetanus-Diphtheria (Tetanus every 10 years)
  - 7. Influenza (or signed declination)
  - 8. COVID-19 (or signed declination)
  - 9. Polio (or signed declination)
- C. Copy of current Cardiopulmonary Resuscitation (CPR) certificate (BLS for Healthcare Providers) by the AHA
- D. Satisfactory fingerprint/criminal background check
- E. Healthcare Interprofessional Training (every 2 years)
  - 1. HIPAA
  - 2. HIV/AIDS
  - 3. Prevention of Medical Errors
  - 4. Domestic Violence
  - 5. Infection Control Training
  - 6. Interprofessional Education
  - 7. Airborne Precautions w/Mask Fit
  - 8. Hospital Orientation
- F. Satisfactory physical examination (signed by physician/health care provider)
- G. Satisfactory drug screening results

**Readmission Guidelines:**

1. A student who withdraws from or earns a grade lower than a "C" in any RET course will not be permitted to continue in the Respiratory Care Program. A student who does not meet the Technical Standards of the program will not be permitted to continue in the program.
2. Applicants who wish to apply for readmission should do so prior to March 1 if planning to enroll in the fall semester.
3. Readmission to the Respiratory Care Program will be dependent upon available resources.
4. In order to be considered for readmission by the Admissions Committee, the applicant must do the following:
  - a. Submit a written request letter (not e-mail) to the Respiratory Care Coordinator/ Program Director presenting evidence to justify readmission.

- b. Meet current guidelines for admission to the College and the Respiratory Care Program.
- 5. Readmission may be contingent upon the candidate's agreeing to audit previously completed course work. Students may not be readmitted to the last semester they attend.
- 6. A student who applies for readmission to the Respiratory Care Program must provide significant evidence, which suggests the potential for future success in the program. This evidence may address such things as unusual circumstances, remedial study, and/or additional preparation.

**Respiratory Care Transfer Policy:**

Applicants who wish to transfer from another Respiratory Care Program to a GCSC Respiratory Care Program must:

1. Meet all current admission requirements
2. Apply at least two months prior to the expected date of enrollment
3. Notify the Program Director/Coordinator in writing, stating anticipated entry date and reason for transfer
4. Provide evidence of successful completion of previous core Respiratory Care courses from a CoARC accredited program, and
5. Provide a letter from the Program Director stating that the student is in good academic and clinical standing and is eligible to return to the Respiratory Care program they wish to transfer from.

Acceptance of any transfer student will be dependent upon available resources.

Transferability of GCSC Respiratory Care courses to another institution will be dependent upon the acceptance of the receiving institution.

Communications Area		Credit Hours
	●+*ENC1101, English I	3
Humanities Area		
	*See General Education Core Requirement	3
Mathematics Area		
	●+* See General Education Core Requirement	3
Natural Sciences Area		
	+*BSC2085, Anatomy and Physiology I	3
	+*BSC2085L, Anatomy & Physiology I Lab	1

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

@Civic Literacy.

	+*BSC2086, Anatomy & Physiology II	3
	+*BSC2086L, Anatomy & Physiology II Lab	1
<b>Social Sciences Area</b>		
Behavioral Sciences	•* PSY2012, General Psychology	3
Government/History	•*@POS 2041, American National Government or •*@AMH 2010, United States History I or •*@AMH 2020, United States History II, and demonstrate Civic Literacy Competency	3
<b>Major Courses</b>		
	#*HSC1531, Medical Terminology	2
	*#RET1005, Management of Cardiopulmonary Microbiology and Disorders	3
	+*#RET1024, Respiratory Care I	3
	+*#RET1024L, Respiratory Care I Lab	2
	+*#RET1264, Respiratory Care II	3
	+*#RET1264L, Respiratory Care II Lab	2
	*#RET1400, Cardiopulmonary Procedures	3
	*#RET1483, Cardiopulmonary Assessment	3
	*#RET1485, Cardiopulmonary Anatomy and Physiology	3
	+*#RET1832, Respiratory Care Clinical I	1
	+*#RET1833, Respiratory Care Clinical II	2
	*#RET1934, Selected Topics Seminar	1
	*#RET2007, Cardiopulmonary Pharmacology	3
	+*#RET2280, Respiratory Care IV	3
	+*#RET2280L, Respiratory Care IV Lab	2
	+*#RET2714, Respiratory Care V	3

	+*#RET2714L, Respiratory Care V Lab	2
	+*#RET2834, Respiratory Care Clinical III	2
	+*#RET2835, Respiratory Care Clinical IV	2
	+*#RET2836, Respiratory Care Clinical V	3
	+*#RET2878, Respiratory Care III	3
	+*#RET2878L, Respiratory Care III Lab	2
<b>TOTAL DEGREE HOURS</b>		76

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
 @Civic Literacy.

**SOFTWARE AND DATABASE DEVELOPER (SDD-AS)**

**AREA OF CONCENTRATION:** Individuals pursuing an Associate in Science degree in the Software and Database Developer program want to begin or advance a career in software/database development. Graduates from this program seek positions as software developers, quality assurance specialists, database specialists and systems analysts. This program focuses on programming logic, in demand programming languages, database programming and design and analysis associated with creating software applications. A strong emphasis is placed on working collaboratively in a team environment, communicating effectively, and cultivating good software development skills.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
Humanities Area		
	*See General Education Core Requirement	3
Natural Sciences Area		
	•See General Education Core Requirement	3
Mathematics Area		
	•+*MAC 1105, College Algebra or higher	3
Social Sciences Area		
Government/History	<ul style="list-style-type: none"> <li>•@POS 2041, American National Government or</li> <li>•@AMH 2010, United States History I or</li> <li>•@AMH 2020, United States History II and demonstrate Civic Literacy Competency</li> </ul>	3
Major Courses		
	CGS 1570, Microcomputer Applications	3
	*COP1000, Intro to Programming Logic	3
	COP2700, Data Structure (SQL)	3
	+CIS2321, System Analysis and Design	3
	CGS1103, Project Management Concepts and Processes	3
	+*COP2250, Java Programming I	3

	+*COP2224, C++ Programming I	3
	DIG2100, Web Design I	3
	+COP2840, Internet Programming	3
	*CTS1111, Linux+	3
	*CTS1650, Network Fundamentals	3
	+*COP2701, Database Design and Management	3
	+*CTS1120, Computer and Network Security (Security +)	3
	+CEN2212, Introduction to Programming the Internet of Things (IoT)	3
	+#COP2940, Integrative Programming and Technologies Capstone	3
<b>TOTAL DEGREE HOURS</b>		<b>60</b>

Subject specific cooperative education may be substituted with permission of advisor.

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
 @Civic Literacy.

## SONOGRAPHY, DIAGNOSTIC MEDICAL (DMS-AS)

**AREA OF CONCENTRATION:** The program is designed to prepare the student for employment as an entry-level sonographer. The sonographer is skilled by academic and clinical training to perform ultrasound examinations under the supervision of a qualified physician. Students should complete all prerequisite courses prior to applying to the Diagnostic Medical Sonography (DMS) program. Students are strongly encouraged to complete as many of the general education courses as possible **prior** to seeking admission to the DMS program.

The program curriculum includes all courses required for an Associate in Science Degree. A minimum grade of "C" must be achieved in all prerequisite courses required for program admission. The program begins in January of the spring semester each year. The duration of the program is 24 months for the Associate in Science Degree (77 credit hours). The DMS program is accredited by the Southern Association of Colleges and Schools and follows the Florida Department of Education curriculum frameworks for Diagnostic Medical Sonography Technology-AS.

The DMS program is a limited access program. A selective admissions policy with specific selection criteria is utilized in order to select the most qualified applicants. All applicants who meet the minimum requirements for admission are evaluated by the Selection Committee. The strength of the applicant pool varies year-to-year, with the best qualified applicants receiving first consideration. It is the applicant's responsibility to inquire about these specific admission and selection criteria and to ensure that all required documents are received on campus prior to the deadline in September as published in the information packet.

**To apply for this program of study, students should obtain a program information packet from the Health Sciences web page containing a current listing of admission guidelines and course requirements.**

**PRIMARY ADVISOR:** Janice Skipper, (850) 873-3591

### PROFESSIONAL LICENSURE DISCLOSURE:

Gulf Coast State College is approved to offer programs that may lead to professional licensure or certification in Florida. GCSC does not guarantee that programs which fulfill Florida licensing requirements will satisfy the criteria of professional licensure boards in other states, as each state has unique requirements for professional licensure or certification which are subject to change at any time and without notice.

Enrolled students and prospective students are strongly encouraged to contact their state's licensure entity to review

all licensure or certification requirements imposed by their state(s) of choice. Please review the licensing board for guidance on the professional licensure or certification requirements for programs in your home state or where you would like to practice professionally.

GCSC is required by the National Council for State Authorization Reciprocity Agreements (NC-SARA) to disclose whether your prospective program meets the professional licensure or certification requirements in other states. NC-SARA does not address professional licensure issues. <https://gulfcoast.edu/academics/online/professional-licensure-disclosure.html>

After being accepted into the DMS program, the courses in the curriculum are progressive in nature, with one course building on the preceding course. Because of this progressive relationship, all courses in a term must be completed with a grade of "C" (70%) or better in order to continue to the next term. If a student achieves less than a "C" (70%) or withdraws from any course that is required for the Associate in Science Degree, the student will not be allowed to continue in the program. The student may re-apply to the program according to the readmission guidelines.

### Application Requirements:

- A. Application and acceptance to Gulf Coast State College.
- B. Official high school transcripts or GED and all official college transcripts sent to Enrollment Services for evaluation prior to the application deadline.
- C. Overall Grade Point Average (GPA) of 2.5 or higher
- D. Complete with a "C" or higher, the following prerequisites: BSC2085 Anatomy and Physiology I, BSC2085L Anatomy and Physiology I Lab, ENC1101 English Composition I, and \*PHY1020 Basic Concepts of Physics, or higher physics course.
- E. Application to Diagnostic Medical Sonography (DMS) program including:
  1. DMS-AS application
  2. Technical Standards Form
  3. Additional documentation if applicable (as specified in the application packet)

Please note that PHY1020, Basic Concepts of Physics, is not offered in the summer.

### Requirements after conditional acceptance:

1. Report of Vaccination History to include:

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

@Civic Literacy.

- Hepatitis B vaccine series (or signed declination waiver)
  - PPD Mantoux/TB Test (may require chest radiograph if previously positive PPD Mantoux/TB test)
  - MMR (Measles, Mumps, Rubella)
  - Varicella (Chickenpox) or positive titer
  - Tetanus-Diphtheria (Tetanus every 10 years)
  - Influenza (or signed declination)
  - COVID-19 (or signed declination)
  - Polio (or signed declination)
2. Satisfactory physical examination (signed by licensed physician/health care provider)
  3. Satisfactory fingerprint/criminal background check
  4. Satisfactory drug screening results

**Additional First Spring Semester Requirements:**

1. Copy of current Cardiopulmonary Resuscitation (CPR) certificate (BLS for Healthcare Providers) by the AHA
2. Healthcare Interprofessional Training (every 2 years)
  - HIPAA
  - HIV/AIDS
  - Prevention of Medical Errors
  - Domestic Violence
  - Infection Control
  - Human Trafficking
  - Interprofessional Education
  - Airborne Precautions w/Mask Fit

**Readmission guidelines:**

1. Readmission to the DMS Program will be dependent upon available resources.
2. A student who withdraws from or earns a grade lower than a "C" (70%) in one of the approved science courses and/or in a DMS Program course will not be permitted to continue in the DMS Program. A student who does not meet the Technical Standards of the program will not be permitted to continue in the program.
3. A student who applies for readmission to the DMS Program must provide significant evidence which suggests the potential for future success in the program. This evidence may address such things as unusual circumstances, remedial study, and/or additional preparation.
4. To be considered for readmission by the Selection Committee, the student must do the following no less than four months prior to the semester they withdrew/dropped to allow sufficient time for reevaluation:
  - a. Submit a written request letter (not an e-mail) to the Diagnostic Medical Sonography Program Coordinator presenting evidence to justify readmission. This may include evidence suggested in guideline 3 (above), letters of recommendation from

- a previous faculty member or coordinator, additional course work, work experience, etc.
  - b. Meet current guidelines for admission to the College and the DMS Program.
5. Readmission will be contingent upon the applicant agreeing to audit previously completed course work as deemed necessary.

**Transfer Policy:**

Acceptance of any transfer student will be dependent upon available resources. Applicants who wish to transfer from another DMS Program to GCSC Diagnostic Medical Sonography Program must:

1. Meet all current admission requirements to the College and the DMS Program listed above under Application Requirements and Requirements after conditional acceptance.
2. Apply at least two months prior to the expected date of enrollment.
3. Notify the Diagnostic Medical Sonography Program Coordinator in writing, stating anticipated entry date and reason for transfer.
4. Provide evidence of successful completion of previous core sonography courses with grades of "C" (70%) or higher from an accredited program.
5. Provide all syllabi from completed courses from previous DMS program.
6. Provide a letter from the previous Program Director stating that the student is in good academic and clinical standing and is eligible to return to the DMS Program from which they wish to transfer.

\*Transferability of GCSC Diagnostic Medical Sonography courses to another institution will be dependent on acceptance by the receiving institution.

**Course Audit Expectations:**

Course completion and attendance guidelines are the same for students taking any SON course for a grade, pass-fail or audit. Failure to meet all course requirements as outlined in the syllabus will result in the student not being permitted to continue in the DMS Program.

Prerequisite Courses		Credit Hours
	•+*BSC2085, Anatomy and Physiology I	3
	+*BSC2085L, Anatomy and Physiology I Lab	1
	•+*ENC1101, English I (Meets Communications Area)	3
	•*PHY1020, Basic	3

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

@Civic Literacy.

	Concepts of Physics or approved Physics course (Meets Natural Sciences Area)	
<b>Communications Area</b>		
	Met with above prerequisite course	
<b>Humanities Area</b>		
	•*See General Education Core Requirement	3
<b>Mathematics Area</b>		
	•+* See General Education Core Requirement	3
<b>Natural Sciences Area</b>		
	Met with above prerequisite course	
<b>Social Sciences Area</b>		
Government/History	•*@POS 2041, American National Government or •*@AMH 2010, United States History I or •*@AMH 2020, United States History II, and demonstrate Civic Literacy Competency	3
<b>Major Courses</b>		
	+*BSC2086, Anatomy and Physiology II	3
	+*BSC2086L, Anatomy and Physiology II Lab	1
	+**SON1211, Medical Sonography Physics	3
	+**SON2113, Cross-Sectional Anatomy	3
	+**SON1000, Introduction to Sonography	1
	+**SON1214, Practical Aspects of Sonography	1
	+**SON1100, Prin/Protocols of Sonography Imaging	2
	+**SON1170, Sonography Circulatory System	2
	+**SON2171, Intro to Vascular Sonography	3
	+**SON 2175, Vascular Sonography	3
	+**SON1111, Abdominal Sonography I	3
	+**SON1112, Abdominal Sonography II	3
	+**SON1121, OB/GYN	3

	Sonography I	
	+**SON1122, OB/GYN Sonography II	3
	+**SON1052, Sonography & Pathology	4
	**SON2061, Sonography Review	2
	+**SON1144, Superficial Structures	1
	+**SON1804, Clinical Education I	1
	+**SON1814, Clinical Education II	3
	+**SON1824, Clinical Education III	4
	+**SON 2834, Clinical Ed IV	4
	+**SON2844, Clinical Ed V	5
<b>TOTAL DEGREE HOURS</b>		<b>77</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
 @Civic Literacy.

**SURGICAL FIRST ASSISTING  
ASSOCIATE IN SCIENCE  
(SFA2-AS)**

<https://gulfcoast.edu/academics/online/professional-licensure-disclosure.html>

**AREA OF CONCENTRATION:** The purpose of this 74-hour college credit, dual certification program is to promote knowledge based critical thinking in safe practice and educate students in the specialty of surgical first assisting and surgical technology as an entry level surgical technologist and surgical first assistant. Upon completion of all graduation requirements, graduates of this program will receive an Associate in Science Degree in Surgical First Assisting.

Successful completion of the program will allow graduates to apply to take the national certifying examination provided all the eligibility requirements currently established are met.

This degree is also available to practicing Certified Surgical Technologists (CST) credentialed by the National Board of Surgical Technology and Surgical Assisting (NBSTSA) and Tech in Surgery-Certified (TS-C) credentialed by the National Center for Competency Testing (NCCT).

**To apply for this program of study, students should obtain a program information packet from the Health Sciences web page containing a current listing of admission guidelines and course requirements.**

**PRIMARY ADVISOR:**

Brittany Page, (850) 769-1551, ext. 3551  
Ashley Krawczynski, (850) 769-1551, ext. 5881

**PROFESSIONAL LICENSURE DISCLOSURE:**

Gulf Coast State College is approved to offer programs that may lead to professional licensure or certification in Florida. GCSC does not guarantee that programs which fulfill Florida licensing requirements will satisfy the criteria of professional licensure boards in other states, as each state has unique requirements for professional licensure or certification which are subject to change at any time and without notice.

Enrolled students and prospective students are strongly encouraged to contact their state's licensure entity to review all licensure or certification requirements imposed by their state(s) of choice. Please review the licensing board for guidance on the professional licensure or certification requirements for programs in your home state or where you would like to practice professionally.

GCSC is required by the National Council for State Authorization Reciprocity Agreements (NC-SARA) to disclose whether your prospective program meets the professional licensure or certification requirements in other states. NC-SARA does not address professional licensure issues.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
Humanities Area		
	•*See General Education Core Requirement	3
Mathematics Area		
	•+* See General Education Core Requirement	3
Natural Sciences Area		
	•+*BSC2085, Anatomy and Physiology I	3
Social Sciences Area		
Behavioral Sciences	•*PSY2012, General Psychology	3
Government/History	•@*POS 2041, American National Government or •*@AMH 2010, United States History I or •*@AMH 2020, United States History II and demonstrate Civic Literacy Competency	3
Major Courses		
	+*HSC1000, Orientation to Perioperative Services	3
	+*HSC1000L, Orientation to Perioperative Services Lab	1
	##HSC1531, Medical Terminology	2
	##HSC2520, Microbiology for Perioperative Services	3
	+*BSC2085L, Anatomy and Physiology I Lab	1
	+*BSC2086, Anatomy and Physiology II	3
	+*BSC2086L, Anatomy and Physiology II Lab	1
	+*STS1310, Surgical Tech & Procedures	5
	+*STS1310L, Surgical Tech & Procedures Lab/Clinical	2
	##STS1340C, Pharmacology & Anesthesia	3
	+*STS1940C, Introduction to Surgery Clinical	2

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

@Civic Literacy.

	+##*STS2323, Surgical Procedures I	4
	+##*STS2323L, Surgical Simulation I Lab	1
	+##*STS2324, Surgical Procedures II	3
	+##*STS2324L, Surgical Simulation Lab II	1
	#+*STS2330C, Principles of Surgical Assisting	2
	+##*STS2335, Advanced Integrated Surgical Sciences	2
	+##*STS2336, Advanced Surgical Procedures for the Surgical Assistant	2
	##*STS2361, The Art of Teamwork in Surgery	1
	##*STS2365, Professional Skills for the OR Team	1
	+##*STS2370, Surgical Assisting Clinical	2
	##*STS2936, Surgical Certification Symposium	1
	+##*STS2944C, Surgical Clinical I	3
	+##*STS2945C, Surgical Clinical II	3
	##*STS2953, Surgical Technologist Portfolio I	1
	##*STS2954, Surgical Technologist Portfolio II	1
<b>Choose one: Dual Track</b>	##*STS2366C, Surgical Assistant Professional Skills or	2
<b>CST to SFA</b>	##*STS2367, Management in Healthcare	2
<b>TOTAL DEGREE CREDITS</b>		<b>74</b>

**APPLICATION REQUIREMENTS:**

- A. Apply to Gulf Coast State College. General admission to the college must be granted prior to applying to the Surgical First Assisting program. General admission to Gulf Coast State College does not imply acceptance into the Surgical First Assisting program. This is a limited access program.
- B. Official high school transcript or GED and all official college transcript(s) sent to Enrollment Services for evaluation
- C. Demonstration of Math/Algebra, English and Reading Competency via current (within 2 years) CPT/PERT scores or ACT/SAT equivalent. Approved college-level courses in Math/Algebra, English, and Reading may also satisfy competency requirements

- D. Application to the Surgical First Assisting AS program including:
  - 1. SFA2-AS application
  - 2. Technical Standards form
  - 3. Two reference forms
  - 4. Additional documentation if applicable (as specified in the information packet)
- E. Complete a transcript analysis with Enrollment Services

**Requirements after provisional acceptance:**

- A. Report of Vaccination History to include:
  - a. Hepatitis B Surface Antigen test
  - b. Hepatitis B vaccine series, if surface antigen is positive (or signed declination waiver)
  - c. PPD Mantoux/TB Test (may require chest radiograph if previously positive PPD Mantoux/TB test)
  - d. MMR (Measles, Mumps, Rubella)
  - e. Varicella (Chickenpox)
  - f. Tetanus-Diphtheria (Tetanus every 10 years)
  - g. Influenza (or signed declination)
  - h. COVID-19 (or signed declination)
  - i. Polio (or signed declination)
- B. Copy of current Cardiopulmonary Resuscitation (CPR) certificate (BLS for Healthcare Providers) by the AHA
- C. Satisfactory fingerprint/criminal background check
- D. Healthcare Interprofessional Training (every 2 years)
  - a. HIPAA
  - b. HIV/AIDS
  - c. Prevention of Medical Errors
  - d. Domestic Violence
  - e. Infection Control
  - f. Human Trafficking
  - g. Interprofessional Education
  - h. Airborne Precautions w/Mask Fit
- E. Satisfactory physical examination (signed by physician/health care provider)
- F. Satisfactory drug screening results

**ADMISSIONS:**

The Surgical First Assisting A.S. degree program is a limited access program. A selective admissions policy with specific selection criteria is utilized in order to select the most qualified applicants. The strength of the applicant pool varies year-to-year, with the highest qualified applicants receiving first consideration. It is the applicant’s responsibility to inquire about these specific admission and selection criteria and to ensure that all required documents are submitted by the published deadline dates on the GCSC webpage.

**GCSC Articulation:**

If you are a CST (NBSTSA) or a TS-C (NCCT), up to 45 of previous CST college credits (classroom, lab skills and clinical experience) may be awarded by submission of the external credit packet which must include proof of current certification through the NBSTSA or NCCT as a surgical technologist.

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
 @Civic Literacy.

To be eligible to graduate from GCSC, the student will have to complete at least 25% of the entire 74 credit program with Gulf Coast State College which is a minimum of 19 credit hours completed at GCSC for the SFA2-AS degree.

**Professional Licensure:** If applicants or students are earning an online degree while residing outside the state of Florida, Gulf Coast State College will provide them with current contact information for any applicable licensing boards and will help them determine whether the program meets requirements for licensure in the state where they are located.

**Graduation and Retention Requirements:** For the Surgical First Assistant A.S. program, students must earn a grade of "C" or higher in each course. See Surgical Services Student Handbook for further information regarding graduation, retention, dismissal, readmission, and transfer credit policies.

### **SURGICAL FIRST ASSISTANT COLLEGE CREDIT CERTIFICATE (SFA-CCC)**

#### **AREA OF CONCENTRATION:**

The purpose of this 59-college credit, Certified Surgical Technologist (CST)/ Tech in Surgery- Certified (TS-CJ to Surgical First Assistant (SFA) Bridge program, is to promote knowledge based critical thinking in safe practice and educate students in the specialty of surgical first assisting as an entry level surgical first assistant. Upon completion of all core graduation requirements, graduates of this program will receive a College Credit Certificate (CCC) as a Surgical First Assistant. Successful completion of the program will allow graduates to apply to take the national certifying examination provided all the eligibility requirements currently established are met. Students may choose to complete the requirements for an Associate in Science (AS) degree by completing the additional General Education requirements.

This college credit certificate is only available to those who are currently certified as a Certified Surgical Technologist (CST) by the National Board of Surgical Technology and Surgical Assisting (NBSTSA) or Tech in Surgery – Certified (TS-C) by the National Center for Competency Testing (NCCT).

**To apply for this program of study, students should obtain a program information packet from the Health Sciences web page containing a current listing of admission guidelines and course requirements.**

#### **PRIMARY ADVISORS:**

Brittany Page, (850) 769-1551, ext. 3551  
Ashley Krawczynski, (850) 769-1551 ext. 5881

#### **PROFESSIONAL LICENSURE DISCLOSURE:**

Gulf Coast State College is approved to offer programs that may lead to professional licensure or certification in Florida. GCSC does not guarantee that programs which fulfill Florida licensing requirements will satisfy the criteria of professional licensure boards in other states, as each state has unique requirements for professional licensure or certification which are subject to change at any time and without notice.

Enrolled students and prospective students are strongly encouraged to contact their state's licensure entity to review all licensure or certification requirements imposed by their state(s) of choice. Please review the licensing board for guidance on the professional licensure or certification requirements for programs in your home state or where you would like to practice professionally.

GCSC is required by the National Council for State Authorization Reciprocity Agreements (NC-SARA) to disclose

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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whether your prospective program meets the professional licensure or certification requirements in other states. NC-SARA does not address professional licensure issues. <https://gulfcost.edu/academics/online/professional-licensure-disclosure.html>

Prerequisite Courses	All courses must be completed with a "C" or better.	Credit Hours
	•+*BSC2085, Anatomy and Physiology I	3
	+*BSC2085L, Anatomy and Physiology I Lab	1
	+*BSC2086, Anatomy and Physiology II	3
	+*BSC2086L, Anatomy and Physiology II Lab	1
	+##HSC1000, Orientation to Perioperative Services	3
	+##HSC1000L, Orientation to Periop Services Lab	1
	##HSC1531, Medical Terminology	2
	##HSC2520, Microbiology for Perioperative Services	3
<b>Major Courses</b>		
	+##STS1310, Surgical Tech & Procedures	5
	+##STS1310L, Surgical Tech & Proc Lab/Clinical	2
	##STS1340C, Pharmacology and Anesthesia	3
	+##STS1940C, Introduction to Surgery Clinical	2
	+##STS2323, Surgical Procedures I	4
	+##STS2323L, Surgical Procedures I Lab	1
	+##STS2324, Surgical Procedures II	3
	+##STS2324L, Surgical Procedures Simulation Lab II	1
	+##STS2330C, Principles of Surgical Assisting	2
	+##STS2335, Advanced Integrated Surgical Sciences	2
	+##STS2336, Advanced Surgical Procedures for the Surgical Assistant	2

	##STS2361, The Art of Teamwork in Surgery	1
	##STS2365, Professional Skills for the OR Team	1
	+##STS2370, Surgical Assisting Clinical	2
	##STS2936, Surgical Certification Symposium	1
	+##STS2944C, Surgical Technologist Clinical I	3
	+##STS2945C, Surgical Technologist Clinical II	3
	##STS2953, Surgical Technologist Portfolio I	1
	##STS2954, Surgical Technologist Portfolio II	1
	Choose one: ##STS2366C, Surgical Assistant Professional Skills or ##STS2367, Management in Healthcare	2
<b>TOTAL CERTIFICATE HOURS</b>		<b>59</b>

**APPLICATION REQUIREMENTS:**

- A. Application to Gulf Coast State College. General admission to the college must be granted prior to applying to the Surgical First Assistant program. General admission to Gulf Coast State College does not imply acceptance into the Surgical First Assistant program. This is a limited access program.
- B. Official high school transcript or GED and all official college transcript(s) sent to Enrollment Services for evaluation
- C. Complete a transcript analysis with Enrollment Services for general education and the program coordinator for CST external credit
- D. Application to Surgical First Assistant CCC program, including:
  1. SFA-CCC application
  2. Technical Standards form
  3. Two reference forms
  4. Additional documentation if applicable (as specified in the information packet)

**Requirements After Provisional Acceptance:**

- A. Report of Vaccination History to include:
  - Hepatitis B Surface Antigen test
  - Hepatitis B vaccine series, if surface antigen is positive (or signed declination waiver)
  - PPD Mantoux/TB Test (may require chest radiograph if previously positive PPD Mantoux/TB test)

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
 @Civic Literacy.

- MMR (Measles, Mumps, Rubella)
  - Varicella (Chickenpox)
  - Tetanus-Diphtheria (Tetanus every 10 years)
  - Influenza (or signed declination)
  - COVID-10 (or signed declination)
  - Polio (or signed declination)
- B. Copy of current Cardiopulmonary Resuscitation (CPR) certificate (BLS for Healthcare Providers) by the AHA
- C. Satisfactory fingerprint/criminal background check
- D. Healthcare Interprofessional Training (every 2 years)
- HIPAA
  - HIV/AIDS
  - Prevention of Medical Errors
  - Domestic Violence
  - Infection Control
  - Human Trafficking
  - Interprofessional Education
  - Airborne Precautions w/Mask Fit
- E. Satisfactory physical examination (signed by licensed physician/health care provider)
- F. Satisfactory drug screening results

**GCSC Articulation:** If you are a CST through the NBSTSA or a TS-C through the NCCT, up to 45 of previous CST college credits (classroom, lab skills, and clinical experience) may be awarded by submission of the external credit packet which must include proof of current certification as a surgical technologist through either the NBSTSA or the NCCT. To be eligible to graduate from GCSC, the student will have to complete at least 25% of the entire 59 credit program with Gulf Coast State College which is a minimum of 15 credit hours completed at GCSC for the SFA2-CCC program.

**Professional Licensure:** If applicants or students are earning an online degree while residing outside the state of Florida, Gulf Coast State College will provide them with current contact information for any applicable licensing boards and will help them determine whether the program meets requirements for licensure in the state where they are located.

**Graduation and Retention Requirements:** For the Surgical First Assistant CCC Program, students must earn a grade of "C" or higher in each course. See Surgical First Assistant student handbook for further information regarding graduation, retention, dismissal, readmission, and transfer credit policies.

## SURGICAL SERVICES (SURGICAL TECHNOLOGY) AS (HS1-AS)

**AREA OF CONCENTRATION:** The purpose of this 16 month, four- semester, 64 college credit Associate in Science program is to educate students in the specialty of Surgical Technology and promote knowledge based critical thinking regarding safe healthcare practice. Upon completion of all graduation requirements, graduates of this program will receive an Associate in Science degree in Surgical Services (Surgical Technology) (HS1-AS).

**To apply for this program of study, students should obtain a program information packet from the Health Sciences web page containing a current listing of admission guidelines and course requirements.**

### PROGRAM ADVISORS:

Brittany Page, (850) 769-1551, ext. 3551  
Ashley Krawczynski (850) 769-1551, ext. 5881

		Credit Hours
<b>Communications Area</b>		
	•+*ENC1101, English I	3
<b>Humanities Area</b>		
	•*See General Education Core Requirement	3
<b>Mathematics Area</b>		
	•+* See General Education Core Requirement	3
<b>Natural Sciences Area</b>		
Biological Science	•*BSC2085, Human Anatomy and Physiology I	3
<b>Social Sciences Area</b>		
Behavioral Sciences	•PSY2012, General Psychology	3
Government/History	•*@POS 2041, American National Government or •*@AMH 2010, United States History I or •*@AMH 2020, United States History II, and demonstrate Civic Literacy Competency	3
<b>Major Courses</b>		
	#*HSC1531, Medical Terminology	2
	+*HSC1000, Orientation to Perioperative Services	3

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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	++*HSC1000L, Orientation to Perioperative Services Lab	1
	##*HSC2520, Microbiology for Perioperative Services	3
	+*BSC2085L, Anatomy and Physiology I Lab	1
	+*BSC2086, Anatomy and Physiology II	3
	+*BSC2086L, Anatomy and Physiology II Lab	1
	++*STS1310, Surgical Tech & Procedures	5
	++*STS1310L, Surgical Tech & Proc. Lab/Clinical	2
	##*STS1340C, Pharmacology and Anesthesia	3
	++*STS1940C, Introduction to Surgery Clinical	2
	++*STS2323, Surgical Procedures I	4
	++*STS2323L, Surgical Simulation Lab I	1
	++*STS2324, Surgical Procedures II	3
	++*STS2324L, Surgical Simulation Lab II	1
	##*STS2361, The Art of Teamwork in Surgery	1
	##*STS2365, Professional Skills for the OR Team	1
	++*STS2944C, Surgical Clinical I	3
	++*STS2945C, Surgical Clinical II	3
	##*STS2953, Surgical Technologist Portfolio I	1
	##*STS2954, Surgical Technologist Portfolio II	1
	##*STS2936, Surgical Certification Symposium	1
<b>TOTAL DEGREE HOURS</b>		<b>64</b>

**PROFESSIONAL LICENSURE DISCLOSURE:**

Gulf Coast State College is approved to offer programs that may lead to professional licensure or certification in Florida. GCSC does not guarantee that programs which fulfill Florida licensing requirements will satisfy the criteria of professional licensure boards in other states, as each state has unique requirements for professional licensure or certification which are subject to change at any time and without notice.

Enrolled students and prospective students are strongly encouraged to contact their state’s licensure entity to review all licensure or certification requirements imposed by their state(s) of choice. Please review the licensing board for guidance on the professional licensure or certification requirements for programs in your home state or where you would like to practice professionally.

GCSC is required by the National Council for State Authorization Reciprocity Agreements (NC-SARA) to disclose whether your prospective program meets the professional licensure or certification requirements in other states. NC-SARA does not address professional licensure issues. <https://gulfcoast.edu/academics/online/professional-licensure-disclosure.html>

**APPLICATION REQUIREMENTS:**

- A. Application to Gulf Coast State College. General admission to the college must be granted prior to applying to the Surgical Services program. General admission to Gulf Coast State College does not imply acceptance into the Surgical Services program. This is a limited access program.
- B. Official high school transcript or GED and all official college transcript(s) sent to Enrollment Services for evaluation
- C. Demonstration of Math/Algebra, English and Reading Competency via current (within 2 years) CPT/PERT scores or ACT/SAT equivalent. Approved college-level courses in Math/Algebra, English, and Reading may also satisfy competency requirements
- D. Application to the Surgical Services A.S. degree program including:
  - 1. HS1-AS application
  - 2. Technical Standards form
  - 3. Two reference forms
  - 4. Additional documentation if applicable (as specified in the information packet)
- E. Complete a transcript analysis with Enrollment Services

**Requirements after provisional acceptance:**

- A. Submit proof of age – 18 years or older on or before the clinical start date for the applied class year
- B. Report of Vaccination History to include:
  - 1. Hepatitis B Surface Antigen test
  - 2. Hepatitis B vaccine series, if surface antigen is positive (or signed declination waiver)
  - 3. PPD Mantoux/TB Test (may require chest radiograph if previously positive PPD Mantoux/TB test)

**ADMISSIONS:**

The Surgical Services A.S. degree program is a limited access program. A selective admissions policy with specific selection criteria is utilized in order to select the most qualified applicants. The strength of the applicant pool varies year-to-year, with the highest qualified applicants receiving first consideration. It is the applicant’s responsibility to inquire about these specific admission and selection criteria and to ensure that all required documents are submitted by published deadline dates on the GCSC webpage.

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
 @Civic Literacy.

4. MMR (Measles, Mumps, Rubella)
  5. Varicella (Chickenpox)
  6. Tetanus-Diphtheria (Tetanus every 10 years)
  7. Influenza (or signed declination)
  8. COVID-19 (or signed declination)
  9. Polio (or signed declination)
- C. Copy of current Cardiopulmonary Resuscitation (CPR) certificate (BLS for Healthcare Providers) by the AHA
- D. Satisfactory fingerprint/criminal background check
- E. Healthcare Interprofessional Training (every 2 years)
1. HIPAA
  2. HIV/AIDS
  3. Prevention of Medical Errors
  4. Domestic Violence
  5. Infection Control
  6. Human Trafficking
  7. Interprofessional Education
  8. Airborne Precautions w/Mask Fit
- F. Satisfactory physical examination (signed by licensed physician/health care provider)
- G. Satisfactory drug screening results

**Graduation and Retention Requirements:** For the Surgical Services program, students must earn a grade of “C” or higher in each required course. To be eligible to graduate from GCSC, the student must complete at least 25% of the entire 64 credit program (a minimum of 16 credits) at GCSC. See student handbook for further information regarding graduation, retention, dismissal, readmission, and transfer credit policies.

**THEATRE AND ENTERTAINMENT TECHNOLOGY (ENTR-AS)**

**AREA OF CONCENTRATION:** This program prepares students to embark on a technical career in the entertainment industry by providing a foundation in basic theatre technology, hands on training in the manufacturing, installation, and operation of emerging scenic, lighting, and sound production technologies and equipment, as well as a cross-disciplinary education in digital media, music production technologies, computer-aided drafting, and automated production technologies. Upon completion of the A.S. degree in Theatre and Entertainment Technology students will be prepared to fulfill such career roles as professional stage hands, scenic carpenters, stage electricians, lighting and soundboard operators, audio-visual technicians, shop supervisors, and entry level positions in event and production management.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
Humanities Area		
	•*See General Education Core Requirement	3
Mathematics Area		
	•+* See General Education Core Requirement	3
Natural Sciences Area		
	•See General Education Core Requirement Recommend: •PHY1020 or •EVR1001	3
Social Sciences Area		
Government/History	•@POS 2041, American National Government or •@AMH 2010, United States History I or •@AMH 2020, United States History II and demonstrate Civic Literacy Competency	3
Major Courses		
	+*TPA1210, Stagecraft I	3
	+*TPA1211, Stagecraft II	3
	*TPA1340, Drafting for Theatre I	3
	TPA1220, Introduction to Stage Lighting	3
	TPA2070, Scenic Painting and Sculpting	3
	TPA2212, Sound for the Stage	3

● General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
 @Civic Literacy.

	+*TPA1290L, Technical Theatre Lab I	2
	+*TPA1291L, Technical Theatre Lab II	2
	+TPA2221, Advanced Stage Lighting	3
	+*TPA2341, Drafting for the Theatre II	3
	+*TPA2072, Advanced Scenic Painting and Sculpting	3
	DIG2251, Sound for Digital Media	3
	TPA2930, Special Topics, Entertainment Technologies	3
	THE1925, Play Production	1
<b>ELECTIVES (Choose 11 credits)</b>		
	DIG2200, Digital Video Fundamentals	3
	DIG2430, Digital Story Development	3
	DIG2205, Digital Post Production	3
	+MUM2600, Sound Recording I	3
	+MUM2601, Sound Recording II	3
	+MUM2600L, Sound Recording Lab	2
	THE1925, Play Production	1
<b>TOTAL DEGREE HOURS</b>		<b>64</b>

**STAGE TECHNOLOGY  
COLLEGE CREDIT CERTIFICATE  
(STGE-CCC)**

**AREA OF CONCENTRATION:** This program provides students with the foundation skills required to begin working in a variety of positions in the live entertainment industry, both regionally and beyond. The program focuses on stagecraft, lighting, and sound production for theatre, concerts, dance, and industrial theatre. All courses in this program are applicable to the college's Theatre and Entertainment Technology Associate in Science degree.

Courses	Credit Hours
+*TPA1210, Stagecraft I	3
+*TPA1211, Stagecraft II	3
TPA1220, Introduction to Stage Lighting	3
*TPA1340, Drafting for the Theatre I	3
TPA2212, Sound for the Stage	3
+*TPA1290L, Technical Theatre Lab I	2
<b>TOTAL DEGREE HOURS</b>	<b>17</b>

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
 @Civic Literacy.

**UNMANNED VEHICLE SYSTEMS OPERATIONS (UVS-AS)**

**AREA OF CONCENTRATION:** The Unmanned Vehicle Systems Associate in Science degree gives graduates the expertise they need for employment as operators, observers, sensor operators, and operations administrators of unmanned vehicle systems. The coursework covers several UAS applications areas, including but not necessarily limited to surveillance and data collection, highly repetitive operations, and autonomous operations. Students also learn about the engineering aspects of these unmanned vehicle systems and the regulations governing their operation.

Communications Area		Credit Hours
	•+*ENC1101, English I	3
Humanities Area		
	•*See General Education Core Requirement	3
Mathematics Area		
	•+* See General Education Core Requirement	3
Natural Sciences Area		
	•See General Education Core Requirement	3
Social Sciences Area		
Government/History	<ul style="list-style-type: none"> <li>•@POS 2041, American National Government or</li> <li>•@AMH 2010, United States History I or</li> <li>•@AMH 2020, United States History II and demonstrate Civic Literacy Competency</li> </ul>	3
Major Courses		
	*ATT1100C, Private Pilot Operations	5
	#*MTE1811C, Introduction to Seamanship	3
	+##*ASC2560C, Unmanned Vehicle Systems Operations I	3
	+##*ASC2561C, Unmanned Vehicle Systems Operations II	3
	#*ASC2564, Unmanned Vehicle Systems Security	3

	+*ASC2949, Unmanned Systems Practicum	3
	*GIS2040C, Introduction to Geographic Information Systems	3
	*GIS2030C, Fundamentals of Remote Sensing	3
	+##*DSC2250, Unmanned Vehicles Fundamentals for Disaster Management	3
	CGS1570, Microcomputer Applications	3
	COP2700, Data Structure (SQL)	3
	COP1000, Introduction to Programming Logic	3
	#ETD1320C, Introduction to CAD	3
	#EET1084C, Introduction to Electronics	3
	#ETS2606C, Robotics	3
<b>TOTAL DEGREE HOURS</b>		<b>62</b>

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

@Civic Literacy.

**UNMANNED VEHICLE SYSTEMS  
COLLEGE CREDIT CERTIFICATE  
(UVSC-CCC)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students for entry-level positions as Unmanned Vehicle System Operators. Over the course of the program, students will learn the basic operating principles of Unmanned Aircraft Systems, Unmanned Underwater Vehicles, Unmanned Surface Vehicles, and Unmanned Ground Vehicles. Additionally, students will learn supporting skillsets that prepare them to perform system maintenance, data management, and security activities within industry. This program is ideal for students to upskill with a pre-existing educational or professional background, and it is also suitable for those desiring a smaller educational footprint to enter the career field.

Courses	Credit Hours
*ATT1100C, Private Pilot Operations	5
+*ASC2560C, Unmanned Vehicle Systems Operations I	3
+*ASC2561C, Unmanned Vehicle Systems Operations II	3
#*ASC2564, Unmanned Vehicle Systems Security	3
+*ASC2949, Unmanned Systems Practicum	1
*GIS2040C, Introduction to Geographic Information Systems	3
*GIS2030C, Fundamentals of Remote Sensing	3
#EET1084C, Introduction to Electronics	3
<b>TOTAL DEGREE HOURS</b>	<b>24</b>

**CERTIFIED NURSING ASSISTANT - CAREER CERTIFICATE  
(CNA-VC)**

**AREA OF CONCENTRATION:** This certificate program is designed to provide the education and skill level necessary to qualify for the state Certified Nursing Assistant exam. You may take the two courses for this training (165 clock hours) at the Gulf Franklin Campus in Port St. Joe, Florida.

The Certified Nursing Assistant program is a selective admission, limited enrollment program. Admission to Gulf Coast State College does not imply acceptance into the Certified Nursing Assistant program.

The Gulf/Franklin Campus offers a Hybrid CNA program with start dates each semester. This hybrid option will take approximately 8 weeks to complete. You are expected to attend two class sessions each week for lecture and laboratory/clinical skills.

The certified nursing assistant student is prepared to give patient care under the supervision of a licensed nurse or physician. The student will be exposed to skills and have knowledge necessary to give safe and effective care to patients in a variety of settings.

**APPLICATION PROCESS:**

1. Apply to Gulf Coast State College
2. Submit official high school and any college or vocational transcripts to Enrollment Services
3. Submit an application to the Certified Nursing Assistant program at the Gulf Franklin Campus in Port St. Joe
4. Submit active scores on the TABE examination or equivalent PERT scores. TABE tests are given at the Gulf Franklin Campus

After meeting the above criteria, the applicant should contact the Gulf Franklin Campus to schedule an appointment with the Nursing Coordinator for advising and review of the application folder for completeness.

Applications must be completed and submitted two (2) weeks prior to the next program start date to be considered for the program. After that, applications will be considered for the next start date. Due to the selection process, meeting minimum requirements does not automatically guarantee admission.

It is the responsibility of the student to maintain communication with the program advisor to ensure that the application folder is complete and up-to-date with current admission requirements.

**Selection of Students:** During the first week after the application deadline, the selection committee will review all

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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completed applications and make selections for the class. Students are selected based on an admission criteria index. Those residing within the service area will be given preference in selection. Applicants will be notified by mail or GCSC student e-mail of selection status.

Requirements after Conditional Acceptance:

- Satisfactory fingerprint/background check
- Copy of current certification in Basic Life Support (BLS) from the American Heart Association
- Completion of physical examination (with satisfactory results), including copy of immunization documentation

Applications are available from the Gulf Franklin Campus, Port St. Joe, and from the Nursing Division, Panama City Campus.

Courses	Contact Hours/- Credit Hours
*=HCP0124, Nursing Assistant	165 ct/5.5v
<b>TOTAL DEGREE HOURS</b>	165 ct/5.5v

After completion of the CNA program, students have the option to apply for the Practical Nursing program and will receive additional admission points for obtaining the CNA license.

*CRIMINAL JUSTICE TRAINING ACADEMY*  
**CORRECTIONAL OFFICER CERTIFICATION - CAREER CERTIFICATE (CORO-VC)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students for employment as correctional officers. The program includes basic standards courses mandated for certification as a correctional officer in the state of Florida. Students who graduate from this program would typically work as correctional officers within a county or state correctional facility. Upon completion of this program, students are eligible to take the State Officer Certification Examination for correctional officers. (NOTE: Must be 19 years of age by date of employment).

**PROGRAM ADMISSIONS REQUIREMENTS**

This is a restricted entry program based upon special admission requirements established by the Florida Department of Law Enforcement, the Criminal Justice Training Academy, and the Department of Education. Uniforms are required in this structured program. Class size is limited. Students should obtain an academy application package from the Criminal Justice Training Academy or online from the Division of Public Safety tab on the college website well in advance of program start date. Admission requirements include the following:

- Citizen of the United States
- High School diploma or GED (transcript required)
- Not discharged from Armed Forces under dishonorable conditions
- Good moral character and NOT have been convicted of a felony or any misdemeanor involving lying or perjury
- Physical examination by licensed physician, nurse practitioner or physician's assistant attesting capability of performing essential functions of the officer position
- Submit to and pass background investigation
- Passing score on Florida Basic Abilities Test

All courses in this program must be completed for certificate. A grade of 80% or higher is required to pass each course. Academy classes have specific attendance policies that may differ from the general GCSC attendance policy. For specifics, contact the program manager or refer to the academy recruit manual.

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**ALL OF THE FOLLOWING COURSES ARE REQUIRED FOR CERTIFICATION**

Courses	Contact Hours/-Credit Hours
=CJK0031C, CMS First Aid for Criminal Justice Officers	40 ct/1.3v
=CJK0040C, CMS Firearms	80 ct/2.7v
=CJK0051C, CMS Defensive Tactics	80 ct/2.7v
=CJK0301, Introduction to Corrections	32 ct/1.0v
=CJK0355, Legal for Correctional Officers	22 ct/0.8v
=CJK0306, Communications for Correctional Officers	32 ct/1.0v
=CJK0111, Interviewing and Report Writing in Corrections	16 ct/0.5v
=CJK0321, Intake and Release	16 ct/0.5v
=CJK0324, Supervising in a Correctional Facility	32 ct/1.0v
=CJK0326, Supervising Correctional Populations	25 ct/0.9v
=CJK0327, Shift Management and Safety	20 ct/0.7v
=CJK0336, Incidents and Emergencies in Correctional Facilities	20 ct/0.7v
=CJK0340, Officer Wellness and Physical Abilities	30 ct/1.0v
<b>TOTAL DEGREE HOURS</b>	<b>445 ct/14.8</b>
=CJD0939, Correctional Officer Capstone	16 ct/0.5v
	461 ct/15.3v

After completing the correctional officer certification training and passing the State Officer Examination certification, students may continue their education by completing the Associate in Science degree in Criminal Justice Technology.

**CRIMINAL JUSTICE TRAINING ACADEMY  
CROSSOVER FROM CORRECTIONAL OFFICER TO LAW ENFORCEMENT OFFICER  
CAREER CERTIFICATE (COR1-VC)**

**AREA OF CONCENTRATION:** This purpose of this program is to prepare students for employment as a law enforcement officer. This program is designed to meet the needs of students who have completed correctional officer certification training, and now wish to pursue law enforcement certification. This program includes courses mandated for certification as a law enforcement officer of a person previously trained as a correctional officer. Students who graduate from this program typically work as municipal, county, or state law enforcement officers. A student enrolling in this program must possess current certification as a correctional officer in accordance with Chapters 943, F.S., and 11B-35, F.A.C. (NOTE: Must be 19 years of age by date of employment).

**ADMISSIONS REQUIREMENTS**

Admission requirements include the following:

- Be an active, certified correctional officer or have successfully completed Correctional Officer Basic Recruit Training and passed the State Officer Certification Examination (SOCE) within four years
- Citizen of United States
- High School diploma or GED (transcript required)
- Not discharged from Armed Forces under dishonorable conditions
- Good moral character and NOT have been convicted of a felony, or any misdemeanor involving lying or perjury
- Physical examination by licensed physician, nurse practitioner or physician's assistant attesting capability of performing essential functions of the officer position
- Submit to and pass background investigation
- Passing score on Florida Basic Abilities Test

All courses in this program must be completed for certificate. A grade of 80% or higher is required to pass each course. Academy classes have specific attendance policies that may differ from the general GCSC attendance policy. For specifics, contact the program manager or the academy recruit manual.

Courses	Contact Hours/- Credit Hours
+CJK0002, Intro to Law Enforcement	12 ct/0.4v
+CJK0018, Legal	64 ct/2.1v
+CJK0016, Communication	24 ct/0.8v
+CJK0019, Interviewing and Report Writing	56 ct/1.9v

•General Education Core.  
+ Prerequisites and/or corequisites required. See course descriptions.  
# Applies only to A.S. degree and certificate programs.  
= Career Certificate course.  
\* Minimum grade of "C" required.  
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	+ =CJK0063, Fundamentals of Patrol	40 ct/1.3v
	+ =CJK0021, Serving Your Community	34 ct/1.1v
	+ =CJK0072, Crimes Against Persons	48 ct/1.6v
	+ =CJK0073, Crimes Involving Property and Society	12ct/0.4v
	+ =CJK0079, Crime Follow-Up Investigations	34 ct/1.1v
	+ =CJK0093, Critical Incidents	44 ct/1.5v
	+ =CJK0400, Traffic Incidents	12 ct/0.4v
	+ =CJK0401, Traffic Stops	24 ct/0.8v
	+ =CJK0403, DUI Traffic Stops	24 ct/0.8v
	+ =CJK0402, Traffic Crash Investigations	30 ct/1.0v
	+ =CJK0393, Cross-Over Program Updates	8 ct/0.3v
	=CJK0020C, CMS L.E. Vehicle Operations	48 ct/1.6v
	+ =CJK0421, Conducted Electrical Weapon/Dart-Firing Stun Gun	4 ct/0.1v
<b>TOTAL DEGREE HOURS</b>		<b>518 ct/17.2v</b>

### DENTAL ASSISTING - CAREER CERTIFICATE (DEAS-VC)

**AREA OF CONCENTRATION:** The purpose of this limited access, selective admissions program is to provide students with the educational background and clinical competencies necessary in the field of dental assisting. The program is accredited by the Commission on Dental Accreditation (CODA) of the American Dental Association. After successful completion of the program, graduates are eligible to take the Dental Assisting National Board Examination (DANB) for certification. The program can be completed in only 10 months.

**PRIMARY ADVISOR:** Laurie Womble, (850) 769-1551, ext. 5842

**To apply for this program of study, students should obtain a program application packet from the Health Sciences web page containing a current listing of admission guidelines and course requirements.**

#### ADMISSIONS:

The Dental Assisting program is a limited access program beginning each fall semester. A selective admissions policy with specific selection criteria is utilized in order to select the most qualified applicants. The strength of the applicant pool varies year-to-year, with the best qualified applicants receiving first consideration. It is the applicant's responsibility to inquire about these specific admission and selection criteria and to ensure that all required documents are received on campus prior to the published deadline **in the current information packet.**

#### PROFESSIONAL LICENSURE DISCLOSURE:

Gulf Coast State College is approved to offer programs that may lead to professional licensure or certification in Florida. GCSC does not guarantee that programs which fulfill Florida licensing requirements will satisfy the criteria of professional licensure boards in other states, as each state has unique requirements for professional licensure or certification which are subject to change at any time and without notice.

Enrolled students and prospective students are strongly encouraged to contact their state's licensure entity to review all licensure or certification requirements imposed by their state(s) of choice. Please review the licensing board for guidance on the professional licensure or certification requirements for programs in your home state or where you would like to practice professionally.

GCSC is required by the National Council for State Authorization Reciprocity Agreements (NC-SARA) to disclose

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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whether your prospective program meets the professional licensure or certification requirements in other states. NC-SARA does not address professional licensure issues. <https://gulfc coast.edu/academics/online/professional-licensure-disclosure.html>

#### Provisional Admission Requirements:

- A. Apply to Gulf Coast State College. General admission to the college must be granted prior to applying to the Dental Assisting program. General admission to Gulf Coast State College does not imply acceptance into the Dental Assisting program. This is a limited access program.
- B. Demonstrated 10<sup>th</sup> grade competency level in Reading, Language, and Math satisfied by current placement test scores (CPT, PERT, or TABE) or successful completion (“C” or higher) in equivalent college-level courses. **(Must have by application due date to be considered.)**
- C. Official high school transcript or GED and all official college transcript(s) sent to Enrollment Services for evaluation.
- D. Completed program application including:
  1. Dental Assisting application
  2. Technical Standards form
  3. Placement Test Requirement form
  4. Additional documentation if applicable (as specified in the information packet)
  5. Verification of competency (TABE/PERT/CPT) or college-level credit

#### Requirements after Provisional Acceptance

- A. Report of Vaccination History to include:
  - Hepatitis B Surface Antigen test
  - Hepatitis B vaccine series, if surface antigen is positive (or signed declination waiver)
  - PPD Mantoux/TB Test annually (may require chest radiograph if previously positive PPD Mantoux/TB test)
  - MMR (Measles, Mumps, Rubella)
  - Varicella (Chickenpox)
  - Tetanus-Diphtheria (Tetanus every 10 years)
  - Influenza (or signed declination)
  - COVID-19 (or signed declination)
  - Polio (or signed declination)
- B. Copy of current Cardiopulmonary Resuscitation (CPR) certificate BLS for Healthcare Provider by the American Heart Association (AHA)
- C. Satisfactory fingerprint/criminal background check
- D. Healthcare Interprofessional Training (every 2 years)

- HIPAA Training
- HIV/AIDS Training
- Prevention of Medical Errors
- Domestic Violence
- Infection Control
- Human Trafficking
- Interprofessional Education
- Airborne Precautions w/Mask Fit

- E. Satisfactory physical examination (signed by physician)
- F. Satisfactory drug screening results
- G. Enrollment in Sentry MD compliance tracker

#### Readmission Guidelines

- 1) A student who withdraws from or earns a grade lower than a “C” in a Dental Assisting course will not be permitted to continue in the Dental Assisting Program. A student who does not meet the Technical Standards of the program will not be permitted to continue in the program.
- 2) Applicants who wish to apply for readmission should do so prior to the published deadline in the current application packet.
- 3) A student who applies for readmission to the Dental Assisting program must provide significant evidence which suggests the potential for future success in the program. This evidence may address such things as unusual circumstances, remedial study, and/or additional preparation.
- 4) Readmission to the Dental Assisting program will be dependent upon available resources.
- 5) To be considered for readmission by the Admissions Committee, the applicant must do the following:
  - a. Submit a written request (not e-mail) to the Dental Assisting Coordinator presenting evidence to justify readmission. This may include letters of recommendation from a previous faculty member or coordinator, additional course work, work experience, etc.
  - b. Meet current guidelines for admission to the College and the Dental Assisting Program.
- 6) Readmission may be contingent upon the candidate’s agreeing to audit previously completed course work.

#### Transfer Policy

Applicants who wish to transfer from another Dental Hygiene/Dental Assisting Program to a GCSC Dental Program must: 1) meet all current admission requirements, 2) apply at least two months prior to the expected date of enrollment, 3) notify the Dental Assisting Coordinator in writing, stating anticipated entry date and reason for transfer, 4) provide evidence of successful completion of previous core dental courses from an American Dental Association accredited program, and 5) provide a letter from the program chair

•General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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stating that the student is in good academic standing and clinical standing and is eligible to return to the Dental Assisting program they wish to transfer from. Acceptance of any transfer student will be dependent upon available resources.

Articulation Policy

Students who elect to articulate must have completed said courses with a grade of "C" or better from an American Dental Association Accredited Dental Assisting Program within the last three years *and* have actively been working in the dental field at least 3 months prior to entrance in the program. If you feel you meet articulation requirements, please contact the Dental Assisting Coordinator for more information.

Courses	Contact Hours/-Credit Hours
+#=*DEA0020C, Pre-Clinical Procedures	182 ct/6v
+#=*DEA0132, Dental Nutrition	32 ct/1v
+#=*DEA0133, Introduction to Microbiology	16 ct/1v
+#=*DEA0134, Introductory Pharmacology/Dental Office Emergencies	32 ct/2v
+#=*DEA0800L, Clinical Practice I	48 ct/1.5v
+#=*DEA0801, Clinical Practice II	58 ct/2v
+#=*DEA0801L, Clinical Practice II Lab	198 ct/6v
+#=*DEA0850L, Clinical Practice III	192 ct/6.5v
+#*DEH1400, Oral Pathology	32 ct/2
+#=*DES0501, Dental Practice Management	32 ct/1v
+#=*DES0844, Dental Health Education	32 ct/1v
+#*DES1000, Dental Anatomy	32 ct/2
+#*DES1010, Head and Neck Anatomy	32ct/2
+#*DES1100C, Dental Materials	62 ct/3
+#*DES1200, Dental Radiology I	32 ct/2

	+#*DES1200L, Dental Radiology I Lab	45 ct/1
	+#*DES1201, Dental Radiology II	17 ct/1
	+#*DES1201L, Dental Radiology II Lab	45 ct/1
	+#*DES1320, Basic Comm. and Human Relations	17 ct/1
	+#*DES1404, Introductory Anatomy and Physiology	32 ct/2
	+#*DES1832, Expanded Functions	17 ct/1
	+#*DES1832L, Expanded Functions Lab	45 ct/1
<b>TOTAL CREDIT HOURS</b>		408 ct/19
<b>TOTAL VOCATIONAL HOURS</b>		822 ct/28
<b>TOTAL CERTIFICATE HOURS</b>		1230 ct/47

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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**FIREFIGHTING - CAREER CERTIFICATE (FIR1-VC)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students for Florida State Firefighter Certification.

Prospective students may be required to take the PERT or TABE test; score of 10th grade level is required. Application packet to the Florida State Fire College will consist of the following:

1. Application for certification as a firefighter.
2. Medical examination form.
3. Electronic fingerprints.
4. High school diploma or GED (transcript required).
5. Driver's license or birth certificate.

In addition to GCSC tuition and books, the following fees are required to be registered with the Florida State Fire College:

1. GCSC Fingerprint Fee, \$85
2. Fire College Application Fee, \$30

Academy classes have specific attendance policies that may differ from the general GCSC attendance policy. For specifics, contact the program manager or the academy recruit manual.

Courses	Credit Hours
=+FFP0030, Firefighter 1	191 ct/6.4 vc
=+FFP0031, Firefighter 2	301 ct/10.0 vc
<b>TOTAL VOCATIONAL HOURS</b>	<b>492 ct/16.4 vc</b>
=+FFP0069, Firefighter Capstone	48 ct/1.5 vc

**CRIMINAL JUSTICE TRAINING ACADEMY  
LAW ENFORCEMENT OFFICER CERTIFICATION  
CAREER CERTIFICATE (LEOF-VC)**

**AREA OF CONCENTRATION:** The purpose of this program is to prepare students for employment as a law enforcement officer. This program includes courses mandated for law enforcement certification with the state of Florida. Students who graduate from this program would typically work as municipal, county, or state law enforcement officers. Courses within this program can also be used toward certification as a law enforcement officer. (NOTE: Must be 19 years of age by date of employment).

**ADMISSIONS REQUIREMENTS**

Admission requirements include the following:

- Citizen of United States
- High School diploma or GED (transcript required)
- Not discharged from Armed Forces under dishonorable conditions
- Good moral character and NOT have been convicted of a felony, or any misdemeanor involving lying or perjury
- Physical examination by licensed physician, nurse practitioner or physician's assistant attesting capability of performing essential functions of the officer position
- Submit to and pass background investigation
- Passing score on Florida Basic Abilities Test

All courses in this program must be completed for certificate. A grade of 80% or higher is required to pass each course. Academy classes have specific attendance policies that may differ from the general GCSC attendance policy. For specifics, contact the program manager or the academy recruit manual.

Courses	Contact Hours/- Credit Hours
+CJK0002, Intro to Law Enforcement	12 ct/0.4v
+CJK0016, Communication	24 ct/.8 v
+CJK0018, Legal	64 ct/2.1v
+CJK0019, Interviewing and Report Writing	56 ct/1.9v
+CJK0063, Fundamentals of Patrol	40 ct/1.3v
+CJK0021, Serving Your Community	34 ct/1.1v
+CJK0072, Crimes Against Persons	48 ct/1.6v
+CJK0073, Crimes Involving Property and Society	12 ct/.4v

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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	+ =CJK0079, Crime Scene Follow-Up Investigations	34 ct/1.1v
	+ =CJK0400, Traffic Incidents	12 ct/.4v
	+ =CJK0401, Traffic Stops	24 ct/.8v
	+ =CJK0402, Traffic Crash Investigations	30 ct/1.0v
	+ =CJK0403, DUI Traffic Stops	24 ct/.8v
	+ =CJK0093, Critical Incidents	44 ct/1.5v
	+ =CJK0020C, Law Enforcement CMS Vehicle Operations	48 ct/1.6v
	+ =CJK0031C, CMS First Aid for Criminal Justice Officers	40 ct/1.3v
	+ =CJK0040C, Law Enforcement CMS Criminal Justice Firearms	80 ct/2.7v
	+ =CJK0051C, CMS Criminal Justice Defensive Tactics	80 ct/2.7v
	+ =CJK0421, Conducted Electrical Weapon/Dart-Firing Stun Gun	4 ct/0.1v
	+ =CJK0096, Criminal Justice Officer Physical Fitness Training	60 ct/2.0v
<b>TOTAL DEGREE HOURS</b>		<b>770 ct/25.6v</b>

### PRACTICAL NURSE - CAREER CERTIFICATE (PHRS-VC)

**AREA OF CONCENTRATION:** The purpose of the practical nursing certificate program is to prepare students for eligibility to apply for the NCLEX-PN (National Council Licensure Examination for Practical Nurses) and obtain licensure in the State of Florida. This program is only available at the Gulf Franklin Campus in Port St. Joe, Florida.

The program consists of 1,350 hours of study. The practical nursing student is prepared to give patient care under the supervision of a registered nurse or physician. The student will be exposed to skills and have knowledge necessary to give safe and effective care to patients in a variety of settings. The Practical Nursing program is a selective admission, limited enrollment program. Admission to Gulf Coast State College does not imply acceptance into the Practical Nursing program.

#### APPLICATION PROCESS:

- Apply to Gulf Coast State College Office of Enrollment Services.
- Submit an application to the Practical Nursing program at the Gulf Franklin Campus.
- Submit official high school and any college or vocational transcripts to Enrollment Services.
- Submit active, satisfactory scores on the TABE examination or equivalent PERT scores. TABE tests are given at the Gulf Franklin Campus and the main campus. Successful completion of TABE is required for graduation.
- CNAs must submit a copy of certification to the Gulf Franklin Campus Nursing Department.

After meeting the above criteria, the applicant should contact the Gulf Franklin Camus to schedule an appointment with the Assistant Nursing Coordinator for advising and review of the application folder for completeness.

Applications must be completed and submitted by the last working day in June for the fall class. Due to the selection process, meeting minimum requirements does not automatically guarantee admission.

It is the responsibility of the student to maintain communication with the program advisor to ensure that the application folder is complete and up-to-date with current admission requirements.

● General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies to A.S. degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

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Selection of Students: During the first week in May, the selection committee will review all completed applications and make selections for the class. Students are selected based on admission index criteria. Those residing within the service area will be given additional consideration. Applicants will be notified by mail of selection status.

Requirements after Conditional Acceptance:

- Satisfactory fingerprint/background check.
- Copy of current certification in BLS (Basic Life Support) from the American Heart Association or the American Red Cross CPR for the Professional Rescuer.
- Completion of physical examination (with satisfactory results), including copy of immunization form.

Applications are available from the Gulf Franklin Campus, Port St. Joe, and from the Nursing Division, Panama City Campus.

Courses	Contact Hours/- Credit Hours
=*PRN0098C, Practical Nursing Foundations 1	300 ct/10.0 v
=+*PRN0099C, Practical Nursing Foundation 2	300 ct/10.0 v
=+*PRN0290C, Medical-Surgical Nursing 1	300 ct/10.0 v
=+*PRN0291C, Medical-Surgical Nursing 2	300 ct/10.0 v
=+*PRN0690C, Comprehensive Nursing and Transitional Skills	150 ct/5.0 v
<b>TOTAL CERTIFICATE CREDITS</b>	1350 ct/45.0v

## CONTINUING EDUCATION

Continuing Education expands the reach of Gulf Coast State College’s academic programs by providing courses to enhance careers, enrich lives and contribute to improving the workforce. GCSC Continuing Education serves learners at all stages of life by providing professional training, personal enrichment and community education programs. Courses are organized as follows:

### BUSINESS & INDUSTRY

- Advanced Placement Summer Institute
- Business Education
- Computer & Technology Training
- Customized Training
- FL CAM Prelicensure
- Professional Development
- SHRM Essentials
- Workforce Development

### HEALTHCARE PROVIDER EDUCATION

- Continuing Education Units (CEU’s)
  - FL DOH Approved Provider (50-833)
  - FL DOH Bureau of Radiation Control (3200457)
- American Heart Association Authorized Training Center
  - Basic Life Support (BLS) – Initial and Renewal
  - First Aid with CPR and AED
  - CPR with AED
- State and National Certifications

### PERSONAL ENRICHMENT

- Education Encore
- Language
- Personal Development

### PUBLIC SAFETY

- Animal Control Officer Training
- Civilian Handgun, Basic Shotgun, HR-218 Training
- Maritime Studies
- Pet First Aid
- Proficiency Courses
- Security Officer

For information, contact Lara Herter, 850-873-3583 / lherter@gulfcoast.edu or Sherrie Lock, 850-872-3819 / slock@gulfcoast.edu.

•General Education Core.  
 + Prerequisites and/or corequisites required. See course descriptions.  
 # Applies only to A.S. degree and certificate programs.  
 = Career Certificate course.  
 \* Minimum grade of "C" required.  
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**ACG - ACCOUNTING****\*ACG2001, Principles of Financial Accounting I  
3 hrs., 3 crs.**

(Offered fall, spring, and summer).

An introduction to financial accounting. The complete accounting cycle will be studied as it relates to a service business and a merchandising business. Additional topics include financial reporting and analysis, internal control, and short-term liquid assets including inventories.

**+\*ACG2011, Principles of Financial Accounting II  
3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Minimum grade of "C" in ACG2001 or consent of instructor.

A continuation of Principles of Financial Accounting I. Topics will include a study of short term liquid assets, long term assets, and current long-term liabilities, and stockholder's equity. Additional topics will include the statement of cash flows and financial statement analysis.

**+\*ACG2071, Introduction to Managerial Accounting  
3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Minimum grade of "C" in ACG2001.

Accounting for planning, organization, and cost control.

**+\*ACG2450, Introduction to Accounting Software  
3 hrs., 3 crs.**

(Offered spring).

Prerequisite: Minimum grade of "C" in ACG2001.

The accounting applications of electronic data processing, including the preparation, interpretation and use of computer information in financial decision-making. This course is transferable, but may not be substituted.

**+ACG2930, Special Topics in Accounting  
3 hrs., 3 crs.**

(Offered as needed).

Prerequisite: Permission of instructor.

Course centering around topics of current interest or of special interest to students or instructors. Topics may vary from semester to semester. Course will provide the opportunity for students to demonstrate their mastery of the material learned from the program. It should be taken during the student's last semester.

**AMH – AMERICAN HISTORY****•@AMH2010, United States History I  
3 hrs., 3 crs.**

(Offered fall, spring, and summer).

In this course, students will examine United States history from before European contact to 1877. Topics will include but are not limited to indigenous peoples, the European background, the Colonial Period, the American Revolution, the Articles of Confederation, the Constitution, issues within the new republic, sectionalism, Manifest Destiny, slavery, the American Civil War, and Reconstruction.

**•@AMH2020, United States History II  
3 hrs., 3 crs.**

(Offered fall, spring, and summer).

In this course, students will trace the history characters of the United States from the end of the Reconstruction Era to the contemporary era. Topics will include but are not limited to the rise of industrialization, the United States' emergence as an actor on the world stage, constitutional amendments and their impact, the Progressive Era, World War I, the Great Depression and New Deal, World War II, the Civil Rights Era, the Cold War, and the United States since 1989.

**AML – AMERICAN LITERATURE****+\*AML2010, American Literature through the Civil War  
3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: ENC1102 with minimum grade of "C." (Meets Literature Humanities requirement.)

Major writers, literary movements, forms, and themes of American literature from the Colonial Era to the end of the Civil War. Readings will include selections from the Western canon. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**+\*AML2020, American Literature: Reconstruction to Present  
3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: ENC1102 with a minimum grade of "C." (Meets Literature Humanities requirement.)

Major writers, literary movements, forms, and themes of American literature from the Civil War to the present. Readings will include selections from the Western canon. This is a course for which students will produce extensive

•General Education Core.

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#Applies only to A.S. degree and certificate programs.

+Prerequisite and/or corequisite required.

=Career Certificate course.

< Denotes career development courses that are part of the Florida Criminal Justice Standards and Training Advanced Course Series. Students must be affiliated with a criminal justice agency and have approval from the agency head or the academy director prior to enrolling.

\*Minimum grade of "C" required.

college-level writing and which requires completion with a minimum grade of "C."

**+AML2600, African-American Literature**  
**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: ENC1102 with a minimum grade of "C."

Major writers, literary movements, forms, and themes of cultural significance of African-American literature.

**ANT - ANTHROPOLOGY**

•**ANT2000, Introduction to Anthropology**  
**3 hrs., 3 crs.**

(Offered fall and spring).

In this course, students will learn the foundations of anthropology as the study of human variation in its biological, social, and cultural dimensions. Students will learn about anthropological concepts, principles, and methodologies to understand and explore past and present human behavior. They will apply the anthropological approach to analyze issues pertaining to past and contemporary cultures and develop intellectual skills and habits to understand behavioral, social, and cultural issues from multiple disciplinary perspectives.

**ANT2100, Introduction to Archaeology**  
**3 hrs., 3 crs.**

(Offered fall and spring).

Introduction to the concepts, theories, and methods archaeologists use to study human culture from the world's earliest settlements to contemporary societies. Major topics include: field methods and site survey, artifact analysis, paleobotany, zooarchaeology, bioarchaeology, historical archaeology, cultural resource management, forensic archaeology, and the emergence of ancient civilizations.

**ANT2149, Lost Tribes and Sunken Continents**  
**3 hrs., 3 crs.**

(Offered fall).

This course examines claims concerning ancient art, civilizations, monuments, and mysterious archaeological sites. Topics include Stonehenge, Easter Island, Atlantis, the Nazca Lines, various pyramids, the Maya civilization, and other archaeological "mysteries." Emphasis will be placed on understanding how and why pseudoscientific beliefs proliferate and on understanding the real archaeological histories of ancient peoples.

**ANT2410, Cultural Anthropology**  
**3 hrs., 3 crs.**

(Offered fall).

Introduction to the concepts, theories, and methods anthropologists use to study human cultures throughout the world. Major topics include language, subsistence, economics, family, kinship, sex, gender, political organization, religion, technology, art, modernization, global changes, and the role of applied anthropology in addressing contemporary world problems.

**ARC - ARCHITECTURE**

**+ARC1301C, Architectural Design 1**  
**120 hrs., 4 crs.**

(Offered fall).

Corequisites: \*ARH2060, \*EGN1110C.

First course in the design studio sequence, this introductory course introduces the student without prior experience, to the design of space defined as the analysis, formation and articulation of habitable volumes. This course emphasizes the basic concepts of space, its inhabitation, and the process of its design. A sequence of analytical and generative exercises will develop the fundamentals of space cognition and will expose the students to the interplay between contextual strategies and simple programmatic requirements.

**+ARC1302C, Architectural Design 2**  
**120 hrs., 4 crs.**

(Offered spring).

Prerequisite: \*ARC1301C.

Continuation of ARC1301C, Architectural Design 1. Development of spatial language, analytical abilities, communication skills and synthetic design process, with emphasis on all areas of spatial design--landscape, building and interior--are introduced as the material for refining and developing conventions of architectural representation and communication. Students learn to engage in strategies, formal conditions and ideas discovered through analysis. Students design an intervention in contexts generated through the application and transformation of the order revealed by analysis.

•General Education Core.

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+Prerequisite and/or corequisite required.

#Applies only to A.S. degree and certificate programs.

\*Minimum grade of "C" required.

=Career Certificate course.

< Denotes career development courses that are part of the Florida Criminal Justice Standards and Training Advanced Course Series. Students must be affiliated with a criminal justice agency and have approval from the agency head or the academy director prior to enrolling.

**+ARC2100C, Immersive Media for Design (Capstone)**  
**6 hrs., 3 crs.**

(Offered spring).

Prerequisites: ETD2395 or DIG2302.

Corequisites: ARC2304C or DIG2580 or TAR2154 and TAR2154L.

Combining elements of virtual reality, augmented reality, stereoscopic 3D, and advanced media techniques, the Immersive Media for Design course will teach students to design and create virtual and photo-real media projects that can be viewed on head-mounted displays for an immersive experience of their designs solutions.

**+ARC2180, Introduction to Digital Architecture**  
**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: ARC1301C.

This course uses the integration of digital media and microcomputer software with the architectural design process. There is emphasis on logic of problem formulation and design interface. The course covers introduction to computing collage and imaging, modeling and animation and communicative.

**+ARC2303C, Architectural Design 3**  
**135 hrs., 5 crs.**

(Offered fall).

Prerequisite: \*ARC1302C.

Introduces fundamental ideas and techniques directed to the development and understanding of the design process and an architectural vocabulary. Study involves consideration of architectural theory, history, climate and cultural factors, structures, and materials that influence form. This course focus is the design process from shape creation to spatial relationships, so that the student can develop design skills in a preliminary design phase, and a personal technique and language from two dimensional designs to three dimensional forms.

**+ARC2304C, Architectural Design 4**  
**135 hrs., 5 crs.**

(Offered spring).

Prerequisite: \*ARC2303C.

Introduces fundamental ideas and techniques directed to the development and understanding of the design process and an architectural vocabulary. Study involves consideration of architectural theory, history, climate and cultural factors, structures, and materials that influence form. This course focus is to develop the ability to use basic architectural principles in the design of buildings, interior spaces, and sites. Particular attention will be paid

to graphic representations and architectural drawings as means to support the design process.

**+ARC2312C, Introduction to Building Assembly Modeling**  
**8 hrs., 4 crs.**

(Offered fall).

Prerequisites: ETD2395, MAC1105, ARC1301C.

Corequisite: BCN1230.

Introduction to the principles of building assembly modeling. Students will learn to explore a building as an assembly of architectural objects and subassemblies using virtual design and construction software. In addition, students will learn part modeling, assembly modeling, generative drafting, and general representational and modeling techniques.

**ARH – ART HISTORY****•ARH2000, Understanding Visual Arts**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

(Meets Fine Arts Humanities requirement).

In this course, students will develop an appreciation of and the ability to think critically about culture and be provided with the tools to understand, analyze, and discuss works of visual art and material culture.

**ARH2050, Art History Criticism I**

**3 hrs., 3 crs.**

(Offered fall).

(Meets Fine Arts Humanities requirement.)

Art History Criticism I is a survey course covering the development of Western art and architecture from antiquity to the early Renaissance. This course examines major forms of visual art such as painting, sculpture, and architecture which will include selections from the Western canon.

**ARH2051, Art History Criticism II**

**3 hrs., 3 crs.**

(Offered spring).

(Meets Fine Arts Humanities requirement).

Art History Criticism II is a survey course covering the development of Western art and architecture from the early Renaissance to the early 20th century. This course examines major forms of visual art such as painting, sculpture, and architecture which will include selections from the Western canon.

•General Education Core.

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+Prerequisite and/or corequisite required.

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\*Minimum grade of "C" required.

**ARH2060, History of Architecture****3 hrs., 3 crs.**

(Offered fall and spring).

(Meets Fine Arts Humanities requirement).

This course provides an introduction to the history of architecture from ancient times to modern days. It explores the relationships between historical developments in architecture and wider changes in the social, technological, and aesthetics realms. The study of architecture will serve as a window into broader aspects of cultural history and will include selections from the Western canon.

**ART - ART****ART1201C, Design I****6 hrs., 3 crs.****\$81.00 lab fee**

(Offered fall).

Design I is a studio course that introduces the student to the fundamental elements of design and aesthetics. Through a series of projects, ranging from simple design exercises to more complex and involved assignments students will develop an understanding of elements and principles of design. Emphasis will also be placed on the conceptual aspects of design. The student will learn strategies that will allow him to take an idea driven approach to the process of design and art making.

**+ART1203C, Design II****6 hrs., 3 crs.****\$69.00 lab fee**

(Offered spring).

Prerequisite: ART1201C or consent of instructor.

Design II is a studio course that introduces the student to the fundamental elements of design as found in three-dimensional composition. Through a series of projects, ranging from simple design exercises to more complex and involved assignments students will develop an understanding of elements and principles of 3D design. Students will employ a variety of media to investigate the visual dynamics of form, mass, volume, space, shape, color, light, texture, composition, and structure.

**ART1300C, Drawing I****6 hrs., 3 crs.****\$76.00 lab fee**

(Offered fall and spring).

Basic problems in freehand drawing designed to develop skill and understanding of visual communication through the use of line.

**+ART1301C, Drawing II****6 hrs., 3 crs.****\$76.00 lab fee**

(Offered fall and spring).

Prerequisite: ART1300C or consent of instructor.

A continuation of basic problems in freehand drawing designed to develop skill and understanding. This course is designed to challenge the student with more advanced drawing projects which foster creativity, disciplined skill, and experimental approaches.

**ART1500C, Painting I****6 hrs., 3 crs.****\$54.00 lab fee**

(Offered fall and spring).

Introduction to and involvement with painting media. Emphasis is placed on developing compositions which foster an understanding of some of the materials, skills, and directions possible in painting. Basic techniques and historical relationships will be related to in a format which also attempts to foster painting as a medium of expression.

**+ART1501C, Painting II****6 hrs., 3 crs.****\$88.00 lab fee**

(Offered fall and spring).

Prerequisite: ART1500C or consent of instructor.

Continuation of painting skill development, emphasizing composition and theme involvement.

**ART1750C, Ceramics I****6 hrs., 3 crs.****\$80.00 lab fee**

(Offered fall and spring).

Basic concepts of ceramic design. Experience in process of forming, decorating, glazing, and firing pottery.

**+ART1751C, Ceramics II****6 hrs., 3 crs.****\$80.00 lab fee**

(Offered fall and spring).

Prerequisite: ART1750C.

A continuation of skill development in ceramic production. Emphasis is on wheel throwing, hand building, preparation, and firing of pottery and kiln loading. Individual projects are developed.

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**+ART2771C, Applied Ceramics****6 hrs., 3 crs.****\$83.00 lab fee**

(Offered as needed).

Prerequisite: ART1751C or consent of instructor.

The purpose of this class is to prepare students for self-directed studio work. Students will investigate choices in materials to express a personal concept, and work developing technical skills. This class is intended to build on basic information from prior ceramics classes.

**ART2930C, Art Seminar****1 hr., 1 cr.**

Covers topics of importance to students' interests and needs with varying emphasis. The course will provide students with insight into work or research of resident faculty, visiting artists, and lecturers. (May be repeated up to three times for credit.)

**ART2955, Portfolio and Resume Development****3 hrs., 3 crs.**

(Offered spring).

This course is designed to facilitate a smooth transition from a two-year school to a university. The course will assist students in assembling a portfolio of their work, writing an artist statement, and composing a resume. Also discussed is how to fill out applications for college admissions. This information can be used in relating to college admissions offices, prospective employers, or juried competitions.

**ASC – AVIATION SCIENCE: GENERAL****+ASC2560, Unmanned Vehicles and Systems****1 hr., 1 cr.****Corequisite: ASC2560L.**

(Offered fall).

This course is a survey of unmanned aerial vehicles (UAVs) and systems, emphasizing the military and commercial history, growth and application of UAVs. Course will include basic acquisition, use, and operation of UAVs with an emphasis on operations.

**ASC2560C, Unmanned Vehicle Systems Operations I****5 hrs., 3 crs.****\$96.00 lab fee**

(Offered spring).

This course provides theoretical, simulator, and flight training to students that will enable them to operate Unmanned Aircraft Systems (UAS) safely in the United States National Airspace System (NAS) under 14 CFR Part

107 rules. Additionally, the course will provide students with historical insights on the development and application of Unmanned Vehicle System (UVS) technologies in civil and defense sectors.

**ASC2560L, Unmanned Vehicles and Systems Lab****4 hrs., 2 crs.**

(Offered fall).

Corequisite: ASC2560.

This lab course provides students with practical application of unmanned aerial vehicles (UAVs) and systems. Course will include basic acquisition, use and operation of UAVs with an emphasis on operations.

**ASC2561, Unmanned Vehicles and Systems Operations****1 hr., 1 cr.**

(Offered spring).

Prerequisite: ASC2560 with a minimum grade of "C."

Corequisite: ASC2561L.

This course serves as follow-on to the introductory Unmanned Aerial Systems (UAS) course. It builds on the student's understanding of UAS history, technology, and regulations and builds on those to provide a basis for operating small UAS platforms (<55 pounds). Students will gain additional exposure to a variety of UAS operations, including aerial imaging, and search and rescue operations. Additional flight operations will be conducted in a controlled environment to provide exposure to real-world situations, with the intent of preparing the student for the FAA's (to be published) UAS Operator Certificate.

**ASC2561C, Unmanned Vehicle Systems Operations II****5 hrs., 3 crs.**

(Offered fall).

Prerequisite: \*ASC2560C.

Building upon knowledge gained in ASC2560C, this course provides theoretical, simulator, and flight training to students that will enable them to operate Unmanned Aircraft Systems (UAS) safely in the United States National Airspace System (NAS) under conditions that typically would require a waiver or authorization beyond the limitations provided in 14 CFR Part 107 rules. Additionally, students will learn to operate maritime and terrestrial-based Unmanned Vehicle Systems (UVS).

**ASC2561L, Unmanned Vehicles and Systems Operations Lab****4 hrs., 2 crs.**

(Offered spring).

Prerequisite: \*ASC2560, \*ASC2560L.

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\*Minimum grade of "C" required.

Corequisite: ASC2561.

This lab course serves as a continuation to the introductory Unmanned Aerial Systems (UAS) course. It builds on the student's understanding of UAS technology, and regulations and builds on those to provide a basis for operating small UAS platforms (<55 pounds). Students will gain additional exposure to a variety of UAS operations, including aerial imaging, and search and rescue operations. Additional flight operations will be conducted in a controlled environment to provide exposure to real-world situations, with the intent of preparing the student for the FAA's UAS Operator Certificate (to be published).

**#\*ASC2564, Unmanned Vehicle Systems Security  
3 hrs., 3 crs.**

(Offered spring).

This course focuses on the concepts of UAS security and protection. Through a combination of instructor led discussion, assigned readings, and projects students will examine the concepts of security engineering, vulnerability, and malicious attack. Students will formulate opinions and strategies for protecting systems and assets from danger while understanding the implications of ignoring security concerns.

#### ASL – AMERICAN SIGN LANGUAGE

**ASL1140, American Sign Language I  
4 hrs., 4 crs.**

(Offered fall).

This course is designed for students with little to no knowledge of American Sign Language and lays the foundation for learning American Sign Language. It will introduce students to the history of American Sign Language and sign language systems, grammatical principles of American Sign Language, and various aspects of the Deaf culture and the Deaf community. Emphasis will be on signed vocabulary for the development of both expressive and receptive conversational skills.

**ASL1150, American Sign Language II  
4 hrs., 4 crs.**

(Offered spring).

Prerequisite: \*ASL1140.

American Sign Language II builds upon the foundational skills provided in the pre-requisite course American Sign Language I (ASL1140). This course is designed for students who have successfully completed the prerequisite course (ASL 1140). Students will acquire intermediate signed

vocabulary and linguistic principles of American Sign Language to include, but limited to: verb inflections/modifications, use of classifiers, and features of storytelling in American Sign Language. Students will expand their knowledge of the Deaf culture, the Deaf community, and their history, and be introduced to Deaf art. This course will put emphasis on the ability to utilize American Sign Language receptively and expressively for conversational purposes. Students should check individual university program requirements for transferability.

**ASL2160, American Sign Language III  
4 hrs., 4 crs.**

(Offered fall).

Prerequisite: \*ASL1150.

American Sign Language III is an intermediate-level course designed to further develop students' proficiency in expressive and receptive American Sign Language (ASL) skills. Building upon the foundational knowledge acquired in ASL I/ASL1140 and ASL II/ASL1150, this course focuses on enhancing linguistic and communicative skills through interactive and immersive learning experiences.

#### AST – ASTRONOMY

**•AST1002, Descriptive Astronomy  
3 hrs., 3 crs.**

(Offered fall and spring).

This course provides a comprehensive look at modern astronomy, emphasizing the use of the scientific method and the application of physical laws to understand the universe including earth and its environment. Throughout this course, students will develop the ability to discern scientific knowledge from non-scientific information by using critical thinking.

#### ATT – AVIATION TECHNOLOGY: THEORY

**\*ATT1100C, Private Pilot Operations  
6 hrs., 5 crs.**

(Offered fall).

This course introduces basic subjects pertaining to pilot knowledge. The areas of study include: basic aircraft systems, aircraft operation and performance, aerodynamic principles, human factors, aeronautical decision making, aircraft preflight, the planning and preparations prior to flight, airport operations, airspace, federal aviation regulations, flight information publications, air navigation,

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cross country navigation, radio navigation, and flight safety. The course of study also includes simulator instruction provided in an FAA approved Basic Aviation Training Device (BATD).

### BCN – BUILDING CONSTRUCTION

#### BCN1230, Materials and Methods

**3 hrs., 3 crs.**

(Offered fall).

A study of materials and methods used in commercial or private dwelling construction. Includes the use of wood, steel, and concrete in all phases of construction and a study of the fabrication of component units and their assembly at the construction site.

#### BCN2405, Statics and Strength of Materials

**3 hrs., 3 crs.**

(Offered spring).

This course introduces students to basic concepts of statics and strength of basic materials, such as wood, concrete, and steel. The course covers the concepts of bodies at rest, shear, bending moments deflection, and moments of inertia. Students will master mathematical formulas for analyzing forces and reactions and will develop critical thinking skills necessary to understand structural behavior of building systems. Basic beam and column design will be used to illustrate the learned concepts.

### BCT – BUILDING CONSTRUCTION TRADES

#### #BCT2715, Construction Management

**3 hrs., 3 crs.**

(Offered spring).

A survey of the problems encountered in building construction involving personnel; contracts; federal, state, and local laws involving taxes, unemployment compensation, safety, liens, property deeds, easements, and licensing.

#### BCT2770, Construction Estimating

**3 hrs., 3 crs.**

(Offered fall).

The basic principles and current practices employed in estimating building costs. The student learns to prepare material lists and to take off quantities of materials and labor hours from working drawings and specifications. Project cost estimates are prepared.

### BOT - BOTANY

#### BOT2800, Plants and Society

**3 hrs., 3 crs.**

(Offered fall and spring).

Introductory course investigating basic botany principles with a strong emphasis on the economics aspects and social impact of plants. Emphasis on scientific terminology, plant identification, food production, and medicinal plants.

### BSC - BIOLOGY

#### •BSC1005, General Biological Science

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Satisfactory completion of ENC0022 or appropriate placement score is recommended. Cannot be used to satisfy degree requirements by students who already have credit in BSC2010 or BSC2011.

This course applies the scientific method to critically examine and explain the natural world including but not limited to cells, organisms, genetics, evolution, ecology, and behavior.

#### BSC1005L, General Biological Science Laboratory

**2 hrs., 1 cr.**

**\$47.00 lab fee**

(Offered fall and spring).

General Biological Science Laboratory (BSC 1005L) course offers laboratory experiences that include chemistry of life, genetics and molecular biology, inheritance patterns, evolution theory, diversity of life on Earth, ecological principles, and conservation biology. Activities include contemporary laboratory investigations, organismal observations and dissections, and ecological investigations.

#### BSC1020, Human Biology

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Satisfactory completion of ENC0022 or appropriate placement score is recommended. Cannot be used to satisfy degree requirements by students who already have credit in BSC2010 or BSC2011.

A basic general education course designed to give the student an understanding of the cellular basis of life, genetics and inheritance, and how the different systems in the body function.

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**BSC1020L, Human Biology Lab****2 hrs., 1 cr.****\$47.00 lab fee**

(Offered fall and spring).

Recommended for students with the requirement of a science laboratory in their program track.

Laboratory activities include the use of the microscope, cell and tissue study, chemical aspects of cell and tissue study, chemical aspects of cells and digestion, the study of human organ systems with the dissection of the fetal pig, and genetics.

**•+BSC2010, Biology for Science Majors I****3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisites: CHM1025 or equivalent with a minimum grade of "C." Corequisite: BSC2010L. College-level placement in English and reading recommended prior to taking this course.

In this course students will apply the scientific method to critically examine and explain the natural world. This course will cover molecular biology, cellular biology, genetics, metabolism, and replication.

**+BSC2010L, Biology for Science Majors I Laboratory****3 hrs., 1 cr.****\$76.00 lab fee**

(Offered fall and spring).

Corequisite: BSC2010.

A laboratory course to be taken concurrently with BSC2010. Laboratory experiences will relate to the chemical and physical aspects of life, cellular processes, photosynthesis and cellular respiration, mitosis and meiosis, and genetics.

**+BSC2011, Biology for Science Majors II****3 hrs., 3 crs.**

(Offered spring).

Prerequisites: BSC2010. Corequisite: BSC2011L.

The second sequence course for students majoring in the life sciences. Concentration is on diversity of life. Topics covered include plant and animal tissues, principles of ecology, population genetics, and evolution.

**+BSC2011L, Biology for Science Majors II Laboratory****3 hrs., 1 cr.****\$62.00 lab fee**

(Offered spring).

Corequisite: BSC2011.

A laboratory course to be taken concurrently with BSC2011. Laboratory experiences will include structure and function of plants and animals, ecological principles, and evolution. Activities include field trips, experiments in physiology, and dissections.

**•+BSC2085, Human Anatomy and Physiology I****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Corequisite: BSC2085L or consent of Natural Sciences division chair.

This course is the first part of a two-semester sequence in which students examine human anatomy and physiology through a systems approach based on the interaction between form and function, from the microscopic components of cells and tissues to the organismal level. Emphasis is placed on histology and the integumentary, skeletal, muscular, and nervous systems.

**+BSC2085L, Human Anatomy and Physiology I Laboratory****2 hrs., 1 cr.****\$23.00 lab fee**

(Offered fall, spring, and summer).

Corequisite: BSC2085.

Laboratory experiences related to lecture material, including microscope usage, membrane physiology, cell structure and survey of tissues. Using appropriate dissection and histology slides of the skeletal, muscular, and nervous system. The somatic and special senses are included with the nervous system.

**+BSC2086, Human Anatomy and Physiology II****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: BSC2085 with a minimum grade of "C."

Corequisite: BSC2086L.

This course is the second part of a two-semester sequence human anatomy and physiology for health science majors and offered as second of two semester course.

**+BSC2086L, Human Anatomy and Physiology II****Laboratory****2 hrs., 1 cr.****\$23.00 lab fee**

(Offered fall, spring, and summer).

Prerequisite: BSC2085L with a minimum grade of "C."

Corequisite: BSC2086.

A study of the cardiovascular system, respiratory system, lymphatic system, fluid and electrolyte balance, the

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digestive system, urinary system, the endocrine and reproductive system. Appropriate tissue slides and dissections are observed.

**BSC2311, Introduction to Marine Biology**

**3 hrs., 3 crs.**

(Offered fall).

Satisfactory completion of high school biology and chemistry during the last five years is strongly recommended.

An introduction to the features of the world ocean and the major groups of living marine organisms that inhabit it. Physical, chemical, and biological interrelationships are emphasized. This course is not intended for biology majors, nor will it serve as a requirement for marine biology majors.

**BUL – BUSINESS LAW**

**BUL2241, Business Law**

**3 hrs., 3 crs.**

(Offered fall and spring).

A survey course of the legal setting in which business operates. Emphasis on public and regulatory law and on social, political, and ethical aspects of legal issues in business. Areas covered include administrative law, antitrust law, contracts, torts, employment law, and related topics. (Check with your advisor about university transfer requirement.)

**+BUL3564, Legal Aspects of Managing Technology**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: Admission to Technology Management BAS Program or permission of the department chair.  
Corequisite: MAN3303 or permission of department chair.  
Students in this course will study specialized legal issues involving electronic commerce. Topical areas include intellectual property rights, trade secrets, online contracting, unfair competition, privacy and enforcement of rights.

**CAP – COMPUTER APPLICATIONS**

**+CAP4774, Data Warehousing**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: ISM4214 or COP2701 with a minimum grade of "C."

Prerequisite or corequisite: MAN3303.

This course provides an introduction to data warehousing concepts, requirements gathering, design and implementation. Students learn about operational database integration, extraction, transformation, loading of data to historical database system such as operational data store and data warehouse. Students are provided with techniques for the analysis, design, denormalization, implementation, utilization, and documentation in the development of data warehouse systems. Structure query language for database and data warehouse will be studied and used to retrieve data and manipulate the information from the implemented databases. Students are required to complete and present a project to class in the data warehousing area.

**CCJ – CRIMINOLOGY AND CRIMINAL JUSTICE**

**CCJ1010, Introduction to Criminology**

**3 hrs., 3 crs.**

This course examines crime and criminals with a particular emphasis on what actions society can or should take regarding crime and criminals. Explains why and how crime occurs and how this knowledge can guide governmental and legislative policy development. Factors that contribute to crime, the social reactions to crime, and the policies presently in place to combine crime will be examined. The focus will be on crime theories and perspectives.

**CCJ1020, Introduction to Criminal Justice**

**3 hrs., 3 crs.**

This course provides students with a basic understanding of how the American criminal justice system functions. The American criminal justice system includes law enforcement agencies (police, sheriff, state law enforcement agents, FBI, CIA, DEA, ATF), the courts, and the corrections agencies (prisons and jails.)

**CCJ1191, Human Behavior in Criminal Justice**

**3 hrs., 3 crs.**

A consideration of human behavior and how it relates to the duties and responsibilities of the criminal justice practitioner.

**CCJ2720, Introduction to Research Methods in Criminology**

**45 contact hrs., 3 crs.**

(Offered fall, spring, and summer).

This introductory course will examine research strategies, data collection, and data analysis in the investigation of questions which arise in criminology and criminal justice.

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\*Minimum grade of "C" required.

Particular focus will be placed on understanding the role, theory, and functions of the research process for criminal justice professionals.

#### **CEN—COMPUTER SOFTWARE ENGINEERING**

##### **+CEN2212, Introduction to Programming the Internet of Things (IoT)**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisites: COP1000, COP2700.

This course teaches the principles of programming Internet of Things devices using a computer language. The student will learn fundamental programming concepts and systematic design techniques. At the end of the course, the student will be able to write programs that control development boards, with sensors, connected to the Internet.

#### **CET – COMPUTER ENGINEERING TECHNOLOGY**

##### **+#CET1112C, Digital & Computer Circuits**

**4 hrs., 3 crs.**

(Offered spring).

Prerequisite: \*MAC1105, \*EET1084C.

Integrated lecture and laboratory experiences to facilitate the study of digital integrated circuits, number systems, and Boolean algebra simplification and introduction to computer architecture. Included is the study of gates, counters, adders, registers, multivibrators, and arithmetic logic units. National Instruments MultiSim will be used to design circuits and protoboards with test equipment will be used to build and test circuits.

#### **CGN – CIVIL ENGINEERING**

##### **+CGN2328C, Technical Drawing and Visualization**

**5 hrs., 3 crs.**

Prerequisite: EGN2123 or ETD1320C or approval of the instructor.

Two- and three-dimensional graphical methods of visualizing and communicating features of projects for construction involving parcel boundaries, topography, drainage, site modeling, site development, structures, buildings and objects using both traditional and computer-aided drafting and design techniques.

#### **CGS -COMPUTER GENERAL STUDIES**

##### **CGS1060, Computer Fundamentals and Applications**

**3 hrs., 3 crs.**

This course covers the fundamentals of microcomputer concepts including hardware, software, Internet, technologies, and applications used in today's microcomputer environments. Students will gain practical, hands-on experience using Windows operating system, word processing, electronic spreadsheet, database management, presentation, and other applications used in today's business and computing industry.

##### **CGS1103, Project Management Concepts and Processes**

**3 hrs., 3 crs.**

(Offered fall and spring). This course will allow the student to understand how to plan, organize, create presentation material, and manage projects using various software tools. Students will software applications to plan a project; track tasks and organize the overall project; analyze cost, time, and resource effectiveness; and explore options for customizing project design material and effective implementation using software tools.

##### **CGS1570, Microcomputer Applications**

**3 hrs., 3 crs.** (Offered fall, spring, and summer).

An introduction to the operation and use of personal computers and the use of the software packages, including Windows, word processing, electronic spreadsheet, Internet access, electronic presentation software, and a database.

##### **CGS2069, Social Media Marketing**

**3 hrs., 3 crs.** (Offered spring and summer).

This course will present the development of an Internet business strategy with a particular emphasis on the marketing functions of social media, advertising, promotion, distribution, and project management. Current and experimental applications will be taught on the classroom computers.

##### **+CGS2518, Spreadsheets for Business Environments**

**3 hrs., 3 crs.**

(Offered fall and spring). Prerequisite: CGS1570.

This course provides an in-depth study of spreadsheets utilizing a problem-solving approach. Spreadsheet-based solutions are explored for common business tasks and problems. The course presents a thorough coverage of spreadsheet functions and tools along with a deep understanding of their purpose in a business environment.

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This course is ideal for students with professional interests related to business and economics and also for students wishing to obtain a deeper understanding of spreadsheets in general.

**+CGS3092, Legal and Ethical Issues in Information Technology**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: Must be admitted to Technology Management or Digital Media BAS program.

This course explores the social, legal, philosophical, ethical, political, constitutional, and economic implications of computing and the controversies they raise. Students will develop an understanding of these societal issues both as members of the business and industrial community and as professionals in computer-related fields.

**CHM – CHEMISTRY**

**+CHM1025, Introduction to General Chemistry**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Math placement test or completion of MAT1033 or MAC1105 with a minimum grade of "C."

An introduction to the elementary principles of modern chemistry. This course is designed for students whose preparation in secondary school chemistry and mathematics is such that they require a prerequisite course for general chemistry. (This course does not meet the chemistry requirement for science majors.)

**+CHM1032, General, Organic, Biochemistry**

**3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: Math placement test or minimum grade of "C" in a college-level math course.

This course covers fundamental topics in general and organic chemistry and selected topics in biochemistry.

**•+CHM1045, General Chemistry**

**3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisites: CHM1025 with a minimum grade of "C" or satisfactory completion of CHM1025 exemption exam and MAC1105. Corequisites: CHM 1045L and MAC1140.

This course is designed for students pursuing careers in the sciences or who need a more rigorous presentation of chemical concepts than is offered in an introductory course. Students will engage in problem solving and critical thinking while applying chemical concepts. Topics will

include the principles of chemistry including atomic theory, electronic and molecular structure, measurement, stoichiometry, bonding, periodicity, thermochemistry, nomenclature, solutions, and the properties of gases.

**+CHM1045L, General Chemistry Laboratory**

**3 hrs., 1 cr.**

**\$61.00 lab fee**

(Offered fall and spring).

Corequisite: CHM1045.

This course explores chemical and physical properties of substances, types of chemical reactions, energy changes, chemical separations, and quantitative analysis procedures. Designed to accompany the lecture, this laboratory enhances the student's understanding of the lecture topics and teaches basic chemical laboratory techniques.

**+CHM1046, General Chemistry and Qualitative Analysis**

**3 hrs., 3 crs.**

(Offered spring and summer).

Prerequisites: MAC1140 and CHM1045 or the equivalent with a minimum grade of "C". Corequisite: CHM1046L.

Topics include solids, liquids, gases, colligative properties, kinetics, gaseous equilibria, nuclear chemistry, weak electrolyte equilibria, solubility equilibria, entropy, free energy, and electrochemistry.

**+CHM1046L, General Chemistry and Qualitative Analysis Laboratory**

**3 hrs., 1 cr.**

**\$63.00 lab fee**

(Offered spring and summer).

Corequisite: CHM1046.

This course emphasizes quantitative analysis techniques to expand the student's knowledge of oxidation-reduction, colligative properties, reaction rates, electrochemistry, chemical equilibrium and electrolytes. Designed to accompany the lecture, this laboratory enhances the student's understanding of the lecture topics and teaches basic chemical laboratory techniques.

**+CHM2210, Organic Chemistry I**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: CHM1046 with a minimum grade of "C", CHM1046L. Corequisite: CHM2210L.

A course in reactions, preparations, nomenclature, stereochemistry, conjugation, resonance, nucleophilic aliphatic substitutions, and elimination in alkanes, alkenes,

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alkynes, alkyl halides, alcohols, ethers, and cyclics; with an extensive introduction to organic synthesis.

**+CHM2210L, Organic Chemistry I Laboratory**

**3 hrs., 1 cr.**

**\$177.00 lab fee**

(Offered fall).

Corequisite: CHM2210.

An accompanying course to Organic Chemistry I. Designed to accompany the lecture. This laboratory enhances the student's understanding of lecture topics and teaches basic organic laboratory techniques.

**+CHM2211, Organic Chemistry II**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: CHM2210 with a minimum grade of "C".

Corequisite: CHM2211L.

A course covering the reactions, preparations, nomenclature, stereochemistry, conjugation, and resonance in aromatic and carbonyl compounds, amines, heterocyclics, phenols, and their derivatives; including organic synthesis and a comprehensive in-depth study of organic spectroscopy.

**+CHM2211L, Organic Chemistry II Laboratory**

**3 hrs., 1 cr.**

**\$130.00 lab fee**

(Offered spring).

Corequisite: CHM2211.

An accompanying course to Organic Chemistry II. Designed to accompany the lecture. This laboratory enhances the student's understanding of lecture topics and teaches basic organic laboratory techniques.

**CIS – COMPUTER SCIENCE AND INFORMATION STUDIES**

**+CIS2321, Systems Analysis and Design**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: Any programming language.

An introduction to the preparation of a system solution to a data processing problem which includes documentation of inputs, outputs, data flow, and a general description of runs and logic; consideration of a gross schedule of events required from project approval through detailed design programming, testing, and the new system phase-in. Actual case studies will be emphasized.

**+\*CIS2352, Ethical Hacking I**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisites: \*CTS1111, CTS1120, CTS1650.

This hands-on course teaches students how to hack into information systems using ethical standards. Students will learn system and network penetration testing and techniques used to exploit vulnerabilities, conduct social engineering activities, and intercept and interrupt network communications as well as countermeasures and mitigation steps for defending those systems and data.

**+\*CIS2381, Computer Forensics and Incident Response**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisites: CTS1120.

The student will design and develop strategies for inspecting potentially corrupted servers, networks and workstations as part of a Cybersecurity Incident Response Team. In this hands-on course the student will practice detecting possible intrusions, inspecting log files, tracking violators. Students will practice computer forensic exercises using detection tools and tracking methodologies.

**+CIS3083, Cloud Computing Foundations**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: CTS1650.

This course covers essential cloud computing principles, concepts, and architectures. In this course students will study cloud computing deployment and service models. Students will learn how to evaluate the business case for cloud computing and will be able to describe the risks associated with cloud computing. The course will also provide students with the opportunity to implement various cloud objects including servers and storage objects.

**+CIS3122, Cybersecurity Analyst**

**3 hrs., 3 crs.**

(Offered summer).

Prerequisite: CTS1120.

Applies behavioral analytics to networks to improve the overall state of security by combating malware and advanced persistent threats (apts) and provides an enhanced threat visibility across a broad attack surface. Prepares the student for the TestOut security analyst pro exam and the CompTIA CYSA+ certification.

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**+CIS4200, Penetration Testing and Vulnerability Analysis  
3 hrs., 3 crs.**

(Offered fall).

Prerequisites: CTS1120, CTS1651, CTS2193.

The content of this course is designed to expose the student to groundbreaking methodologies in conducting thorough information security analysis, as well as advanced penetration testing techniques. Armed with the knowledge, along with hands-on experience, students will be able to perform the intensive assessments required to effectively identify and mitigate risks to the security of the organization's infrastructure.

**+CIS4433, Secure System Integration and Architecture for IT (SecDevOps)  
3 hrs., 3 crs.**

(Offered fall).

Prerequisites: CTS2193, COP2250.

This course introduces the role of secure systems architecture in systems integration, performance, and effectiveness. Students learn the principles and concepts of "devops" (development operations) interplay between IT applications roll-out and related organizational processes. The students are also introduced to Application Security Engineer.

**CJC - CORRECTIONS****#CJC1000, Introduction to Corrections**

**45 contact hrs. 3 crs.**

This course will focus on the theory and practice of correctional institutions and their functions, the prison as a total institution, characteristics of various types of correctional methods, analysis of the prison community, adjustment to prison life, impact of institutionalization, corrections in the community, and historical development.

**CJC2162, Probation and Parole**

**3 hrs., 3 crs.**

This course focuses on the patterns and problems in sentencing offenders; the social investigation, treatment and counseling of offenders, including behavior modification; the release and processing of offenders, and efforts to reintegrate offenders into society.

**CJD – CRIMINAL JUSTICE DEVELOPMENT****=CJD0939, Correctional Officer Capstone**

**16 contact hrs., .5 vocational crs.**

Comprehensive review of subjects taught in Correctional Officer Basic Standards. **This is a limited access course**

**and requires admission to the Law Enforcement Training Program or Correctional Officer Training Program.**

**CJE – LAW ENFORCEMENT****#CJE1000, Introduction to Law Enforcement**

**45 contact hrs., 3 crs.**

This course is an introduction to the philosophical and historical background of law enforcement. This course covers the organization, purpose and functions of law enforcement and other agencies involved in the administration of criminal justice in the United States. It includes career education.

**#CJE1300, Police Organization and Administration**

**45 contact hrs., 3 crs.**

This course covers the principles of organization and administration in law enforcement, to include functions and activities, planning and research, public relations, personnel and training, inspection and control, and policy formulation.

**#CJE2400, Police Community Relations**

**45 contact hrs., 3 crs.**

This course provides an understanding of the complex factors involved in human relations between the community and law enforcement. The police role and nature, meaning, and implications of professionalism in policing are explored in order to provide a better understanding of the necessity for a successful police-citizen partnership.

**#CJE2600, Introduction to Criminal Investigations**

**45 contact hrs., 3 crs.**

This course is a survey of the methods and techniques used by contemporary criminal justice agencies in criminal investigation and its role in society. The course will include studies of such aspects as the discovery of evidence and its preservation and marking, fingerprinting, and identification. The course will also explore the identification and elements of homicide, burglary, robbery, and narcotics violations.

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**CJJ – JUVENILE JUSTICE****#CJJ1001, Crime and Delinquency****45 contact hrs., 3 crs.**

This course presents a general view of the juvenile delinquency problem, to include current theories of crime and delinquency, causal factors and treatment.

**CJJ2002, Juvenile Justice****3 hrs., 3 crs.**

This course examines the public policy issues pertaining to juvenile delinquency and dependency. The *parens patriae* doctrine is examined in theory and in practice as the fundamental philosophical basis for evolution of the contemporary American juvenile justice system. Major topics explored include causes of delinquency, societal responses, and trends indicative of future directions in juvenile justice.

**CJK – CRIMINAL JUSTICE BASIC TRAINING  
(VOCATIONAL)****+CJK0002, Introduction to Law Enforcement****12 contact hrs., 0.4 vocational crs.****\$5.00 lab fee.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course provides an overview of the law enforcement basic recruit training program and the requirements to become a sworn officer. It describes basic criminal justice ethics and command structure. The course also provides a basic introduction to the criminal justice system. **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+CJK0016, Communication****24 contact hrs., 0.8 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course focuses on aspects of professional communication officers should use on the job. It explains challenges to effective communication and concepts such as procedural justice, empathy, and professionalism. **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+CJK0018, Legal****64 contact hrs., 2.1 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

The course provides foundational knowledge of the law and how officers apply the law to specific situations. The course describes the basics of enforcing laws without infringing on individual rights. **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+CJK0019, Interviewing and Report Writing****56 contact hrs., 1.9 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course provides an introduction to lawful and effective interviews as part of the investigative process as well as the fundamentals of note-taking and report writing. **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+CJK0020C, Law Enforcement CMS Vehicle Operation****48 contact hrs., 1.6 vocational crs.****\$14.00 lab fee**

This course is part of the Criminal Justice Standards and Training Commission Law Enforcement Basic Recruit CMS Certification Program. This course is designed to prepare prospective officers to apply vehicle operations knowledge, principles and techniques to the police driving environment. This course includes classroom instruction and practical application on the driving range. **This is a limited access course requiring admission to the Criminal Justice Training Academy Law Enforcement Training Program.**

**+CJK0021, Serving Your Community****34 contact hrs., 1.1 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course provides an introduction to some of the diverse communities officers serve and provides an overview of how to respond with professionalism while keeping everyone on the scene safe. **This is a limited access course and requires admission the Criminal Justice**

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Training Academy or special permission of the chair of Public Safety.

**+ =CJK0031C, CMS First Aid for Criminal Justice Officers**  
**40 contact hrs., 1.3 vocational crs.**

**\$17.00 lab fee**

This course is part of the Criminal Justice Standards and Training Commission's CMS Basic Recruit Certification Program. It is designed to prepare prospective officers to apply first aid knowledge and techniques to medical emergency situations. This course involves classroom lecture and hands-on practical demonstration. **This is a limited access course and requires admission to the Law Enforcement Training Program.**

**=CJK0040C, Law Enforcement CMS Criminal Justice Firearms**

**80 contact hrs., 2.7 vocational crs.**

**\$324.00 lab fee**

This course is part of the Criminal Justice Standards and Training Commission's CMS Basic Recruit Certification Program. At the end of this course, students should be able to demonstrate safe weapon handling, weapons cleaning and maintenance, handgun drawing and holstering, weapon loading and unloading, basic shooting principles, proficiency on the CJSTC basic firearms courses of firing with a handgun during daylight and nighttime, and a shotgun during daylight. **This is a limited access course and requires admission to the Law Enforcement Training Program or Correctional Officer Training Program.**

**=CJK0051C, CMS Criminal Justice Defensive Tactics**

**80 contact hrs., 2.7 vocational crs.**

**\$16.00 lab fee**

This course is part of the Criminal Justice Standards and Training Commission Basic Recruit Certification Program. This course is designed to better prepare prospective officers to control subjects and defend themselves using appropriate defensive tactics. At the end of this course, students should be able to make an accurate threat assessment of a situation, use force appropriate to the subject resistance and situational factors, demonstrate a prevailing attitude and the willingness and ability to fight when necessary, use integrated force options, escalate, de-escalate, or disengage in a situation as appropriate, perform defensive tactics techniques with proficiency. **This is a limited access course and requires admission to the Law Enforcement Training Program or Correctional Officer Training Program.**

**+ =CJK0063, Fundamentals of Patrol**  
**40 contact hrs., 1.3 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course provides an overview of the law enforcement techniques and tactics that officers use while on patrol. This course is an introduction to the use of communications equipment, community-oriented policing, and officer 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. **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+ =CJK0064, Fundamentals of Patrol**  
**35 contact hrs., 1.1 vocational crs.**

Prerequisite: Admission to the Law Enforcement Officer or Criminal Justice Technology program.

By the end of the course students should be able to use radio equipment properly, identify the uses of mobile computer devices, and understand the uses of FCIC/NCIC/NLETS and other electronic database resources; understand community-oriented policing and how it is implemented as a problem-solving model, and identify the SARA problem-solving model and its application in real life situations; understand officer safety issues, identify and avoid fatal errors, identify and manage stress, and maintain mental and physical fitness; and prepare to patrol, know what a BOLO is and how to create and cancel a BOLO, respond to a call, approach a suspect, set up a perimeter, conduct a building search, make an arrest, transport a prisoner, and process the prisoner at a detention facility. **This is a limited access course. It requires admission to the Law Enforcement Officer or Criminal Justice Technology program.**

**+ =CJK0065, Calls for Service**

**36 contact hrs., 1.2 vocational crs.**

Prerequisite: Admission to the Law Enforcement Officer or Criminal Justice Technology program.

By the end of the course students should be able to respond to calls for service, including well-being and security checks, building alarms, environmental hazards, transportation requests, animal complaints, death notifications, and special event security; respond to disturbances, including crowd control, civil disturbances, civil standbys, and disorderly or irate people; respond to court orders, including arrests and civil processes, and assist with the execution of

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search warrants; respond to calls concerning vehicle fires, unattended, abandoned, or disabled vehicles, and roadway obstructions or damage; enforce parking violations, impound a vehicle, direct vehicle traffic, and direct pedestrian traffic; respond to people in crisis, including suicide incidents, threats from mental impairments, and situations involving alcohol or substance abuse. **This is a limited access course. It requires admission to the Law Enforcement Officer or Criminal Justice Technology program.**

**+ =CJK0072, Crimes Against Persons  
48 contact hrs., 1.6 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course provides an introduction to the basics of conducting investigations and describes a variety of crimes involving people such as assault and battery, domestic violence, child abuse, sexual offenses, and human trafficking. It provides the foundational knowledge for initial response and investigation of these crimes. (Student must complete course with 80% or higher to pass.) **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+ =CJK0073, Crimes Involving Property and Society  
12 contact hrs., 0.4 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course provides an introduction to a variety of crimes involving property and society, such as retail theft, fraud, and animal cruelty. It provides the foundational knowledge for initial response and investigation of these crimes. (Student must complete course with 80% or higher to pass.) **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+ =CJK0077, Criminal Investigations  
50 contact hrs., 1.7 vocational crs.**

Prerequisite: Admission to the Law Enforcement Officer or Criminal Justice Technology program. By the end of the course students should be able to conduct an initial investigation of crimes against persons, society, property, and economic crimes. **This is a limited access course. It requires admission to the Law Enforcement Officer or Criminal Justice Technology program.**

**+ =CJK0078, Crime Scene to Courtroom  
35 contact hrs., 1.1 vocational crs.**

Prerequisite: Admission to the Law Enforcement Officer or Criminal Justice Technology program.

By the end of the course students should be able to process a crime scene, conduct a follow-up investigation, and provide testimony in different types of court proceedings. **This is a limited access course. It requires admission to the Law Enforcement Officer or Criminal Justice Technology program.**

**+ =CJK0079, Crime Scene Follow-Up Investigations  
34 contact hrs., 1.1 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course is an introduction to methods for securing, protecting, and preserving a crime scene to avoid contaminating any evidence. The course also explains the importance of collecting, documenting, and maintaining the physical evidence. (Student must complete course with 80% or higher to pass.) **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+ =CJK0084, DUI Traffic Stops  
24 contact hrs., 0.8 vocational crs.**

Prerequisite: Admission to the Law Enforcement Officer or Criminal Justice Technology program.

By the end of the course students should be able to understand the problem of and solutions for DUI, identify the DUI laws and related legal issues, identify the signs of alcohol or drug impairment, conduct a DUI traffic stop, follow the three-phase process of a DUI contact, demonstrate proficiency in conducting the Standardized Field Sobriety Tests, make an arrest decision based on specific clues, accurately complete the required documentation for a DUI arrest, and provide clear and convincing evidence of DUI in court testimony. **This is a limited access course. It requires admission to the Law Enforcement Officer or Criminal Justice Technology program.**

**+ =CJK0087, Traffic Stops  
30 contact hrs., 1 vocational cr.**

Prerequisite: Admission to the Law Enforcement Officer or Criminal Justice Technology program.

By the end of the course students should be able to safely pull over a vehicle; identify and articulate the

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stop/violation; obtain necessary information from the driver/passenger; safely complete the stop; safely effect an arrest; and accurately complete the required documentation for a traffic stop. **This is a limited access course. It requires admission to the Law Enforcement Officer or Criminal Justice Technology program.**

**+CJK0088, Traffic Crash Investigations**  
**32 contact hrs., 1.1 vocational crs.**

Prerequisite: Admission to the Law Enforcement Officer or Criminal Justice Technology program.

By the end of the course students should be able to define and explain the terms and legal considerations associated with crash investigations, respond to a crash scene safely, assess a crash scene properly, secure a safe work environment at a crash scene, provide emergency medical assistance to injured people at a crash scene if necessary, obtain pertinent information about a crash to determine how and why it occurred, identify crimes revealed during a crash investigation if any, return a crash scene to normal as quickly as possible, complete driver exchange of information properly, take appropriate enforcement action, and document a crash correctly in appropriate crash report form. **This is a limited access course. It requires admission to the Law Enforcement Officer or Criminal Justice Technology program.**

**+CJK0092, Critical Incidents**  
**44 contact hrs., 1.5 vocational crs.**

Prerequisite: Admission to the Law Enforcement Officer or Criminal Justice Technology program.

By the end of the course students should be able to complete and pass Unit 1, IS-100.LEb, Introduction to the Incident Command System and Unit 2, IS-700.a, National Incident Management (NIMS), An Introduction ; understand local emergency response plans, law enforcement duty-to-act requirements, and the role of law enforcement officers as first responders; know how to respond to an active shooter incident; plan for response to a natural disaster; identify weapons of mass destruction (WMD) and properly respond to a WMD incident, including IEDs and VBIEDs; be aware of hazardous material class, name or identification number, identify actions to take to isolate a hazmat incident and choose protective actions to take in accordance with the Emergency Response Guidebook (ERG); recognize the indicators of and paraphernalia used in the manufacture of methamphetamine; describe the indicators of chemical suicide; properly respond to a bomb threat, and assess the scene. **This is a limited access course. It requires admission to the Law Enforcement Officer or Criminal Justice Technology program.**

**+CJK0093, Critical Incidents**  
**44 contact hrs., 1.5 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course provides an overview of law enforcement techniques and tactics used when confronting large-scale or critical incidents, including natural disasters, active shooters, exposure to hazardous materials, and explosive devices. (Student must complete course with 80% or higher to pass.) **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+CJK0096, Criminal Justice Officer Physical Fitness Training**

**60 contact hrs., 2.0 vocational crs.**

Prerequisite: Admission to Law Enforcement Training Program and permission of the Law Enforcement Program Coordinator.

This course is part of the Criminal Justice Standards and Training Commission Law Enforcement Basic Recruit certification program. By the end of this course students should be able to improve their scores on the final fitness evaluation; and adopt a foundation for lifelong fitness. **This is a limited access course. It requires admission to the Law Enforcement Training Program.**

**+CJK0111, Interviewing and Report Writing in Corrections**

**16 contact hrs., 0.5 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course provides practical communication skills when interviewing individuals and recording the information using proper grammar. It reviews necessary skills to write, edit and proofread reports and reporting procedures. **This is a limited access course and requires admission to the Law Enforcement Training Program or Correctional Officer Training Program.**

**+CJK0300, Introduction to Corrections**  
**32 contact hrs., 1 vocational cr.**

**\$5.00 lab fee**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course provides an overview of the correctional officer training program and the requirements for

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becoming a certified officer. This course will also help to provide a legal basis from which students may begin to function as correctional officers and gives instruction on basic criminal justice values, ethics, and ways to demonstrate professionalism when interacting with others. Students will also learn the command structure within a criminal justice agency. **This is a limited access course and requires admission to the Law Enforcement Training Program or Correctional Officer Training Program.**

**+CJK0301, Introduction to Corrections**  
**32 contact hrs., 1 vocational cr.**  
**\$5.00 lab fee**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course provides an overview of the correctional officer training program and the requirements for becoming a certified officer. It also provides a legal basis from which students may begin to function as correctional officers and gives instruction on basic criminal justice values, ethics and ways to demonstrate professionalism when interacting with others. Students will learn the command structure within a criminal justice agency. **This is a limited access course and requires admission to the law enforcement training program or correctional officer training program.**

**+CJK0305, Communications**  
**40 contact hrs., 1.3 vocational crs.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course provides practical communications skills that will assist new correctional officers in managing and supervising inmates, giving directions, answering questions, and interacting with others in a professional and safe manner. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

**+CJK0306, Communications for Correctional Officers**  
**32 contact hrs., 1.0 vocational cr.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course provides practical communication skills that will assist new correctional officers in managing and

supervising inmates, giving directions, answering questions, and interacting with others in a professional and safe manner. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

**+CJK0310, Officer Safety**  
**16 contact hrs., 0.5 vocational crs.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course provides an overview of safety and security concerns, identification, manipulation and deception, contraband, and searches correctional officers deal with on a daily basis. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

**+CJK0315, Facility and Equipment**  
**8 contact hrs., 0.3 vocational crs.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

Correctional officers are responsible for equipment and materials used to keep correctional facilities clean, safe and secure. It is important for a correctional officer to have a basic knowledge of standard equipment used, including weapons, hazardous materials, and sensitive supplies. Officers must be very familiar with common problems found when managing equipment; this course will help them complete their duty to support the safe and efficient operation of equipment, and to provide a safe environment for inmates, staff and visitors. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

**+CJK0320, Intake and Release**  
**18 contact hrs., 0.6 vocational crs.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course will introduce students to the intake, classification, and release processes used by county and state correctional facilities. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

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**+CJK0321, Intake and Release****16 contact hrs., 0.5 vocational crs.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course will introduce students to the intake, classification, and release processes used by county and state correctional facilities. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

**+CJK0324, Supervising in a Correctional Facility****32 contact hrs., 1.0 vocational cr.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course provides an in depth look at the primary activity of the correctional officer. The main role is the provision of care, custody, and control of inmates. In developing the supervisory and observational skills, practicing officer safety, and following policy and procedure, the officer will ensure the safe operation of a correctional facility. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

**+CJK0325, Supervising in a Correctional Facility****40 contact hrs., 1.3 vocational crs.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course will teach students that the primary activity of the correctional officer is the care, custody, and control of inmates. By developing supervisory and observational skills, practicing officer safety, and following the policies and procedures of his or her agency, the officer will ensure the safe operation of a correctional facility while fulfilling his or her responsibilities. **This is a limited access course and requires admission to the Criminal Justice Training Academy.**

**+CJK0326, Supervising Correctional Populations****25 contact hrs., 0.9 vocational crs.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course provides students with the necessary insight needed while supervising correctional populations housed

in county and state correctional facilities. These special population groups have individual characteristics. The most common of these groups will be discussed in this course. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

**+CJK0327, Shift Management and Safety****20 contact hrs., 0.7 vocational crs.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course offers an overview of the safety and security challenges faced by correctional officers, including the identification and management of manipulation, deception, contraband, and the execution of searches performed on a daily basis. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

**+CJK0330, Supervising Special Populations****20 contact hrs., 0.7 vocational crs.**

Prerequisite: Admission to Law Enforcement Training Program.

This course provides students with the necessary insight needed while supervising special populations housed in county and state correctional facilities. These special populations groups have individual characteristics. The most common of these groups will be discussed in this course. **This is a limited access course and requires admission to the Law Enforcement Training Program.**

**+CJK0335, Responding to Incidents and Emergencies****16 contact hrs., 0.5 vocational crs.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course will discuss that one of the most important duties of a correctional officer is to apply knowledge, training and reasonable judgment to ensure the safety and security of all persons at the facility during an emergency. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

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#Applies only to A.S. degree and certificate programs.

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=Career Certificate course.

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\*Minimum grade of "C" required.

**+CJK0336, Incidents and Emergencies in Correctional Facilities****20 contact hrs., 0.7 vocational crs.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course will provide correctional officers with the knowledge, training and reasonable judgment to ensure the safety and security of all persons at the facility during an emergency. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

**+CJK0340, Officer Wellness and Physical Abilities****30 contact hrs., 1 vocational cr.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.

This course will offer an introduction into the officer wellness and physical abilities standards set forth by the criminal justice standards and training commission. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

**+CJK0355, Legal for Correctional Officers****22 contact hrs., 0.8 vocational crs.**

Prerequisite: Admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety. This course provides an overview of the legal system including federal, state, and local laws as it pertains to the care, custody, and supervision of inmates. **This is a limited access course and requires admission to the Criminal Justice Training Academy or special permission of the Chair of Public Safety.**

**+CJK0393, Cross-Over Program Updates****8 contact hrs., .3 vocational crs.**

Prerequisite: Admission to Law Enforcement Training Program and permission of the Law Enforcement Program Coordinator.

This course is part of the Criminal Justice Standards and Training Commission Correctional Officer Cross-Over to Law Enforcement Officer Certification Program. At the end of this course, students should understand the updated content from the applicable basic recruit training program as provided by the instructor. **This is a limited access course and requires admission to the Law Enforcement Training Program.**

**+CJK0400, Traffic Incidents****12 contact hrs., 0.4 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course is an introduction to the basics of traffic incidents other than traffic stops and includes lessons on legal terms and the fundamentals of directing traffic, addressing parking violations and conducting vehicle searches. (Student must complete course with 80% or higher to pass.) **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+CJK0401, Traffic Stops****24 contact hrs., 0.8 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course is an introduction to the fundamentals of conducting traffic stops with professionalism while maintaining the safety of all involved. The course covers the basics of unknown and high-risk traffic stops. (Student must complete course with 80% or higher to pass.) **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+CJK0402, Traffic Crash Investigations****30 contact hrs., 1.0 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course provides an overview of conducting traffic crash investigations using a systematic approach. The course describes how to respond to, assess, and protect the scene as well as documentation and returning the scene to normal conditions. (Student must complete course with 80% or higher to pass.) **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

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**+CJK0403, DUI Traffic Stops****24 contact hrs., 0.8 vocational crs.**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course provides an overview of detecting impaired driving, administering field sobriety tests, making arrests, and recording the evidence of a DUI offense. (Student must complete course with 80% or higher to pass.) **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+CJK0421, Conducted Electrical Weapon/Dart Firing Stun Gun****4 contact hrs., 0.1 vocational crs.****\$41.00 lab fee**

Prerequisite: Admission to the Basic Recruit Training or Criminal Justice Technology program or special permission of the chair of Public Safety.

This course provides foundational knowledge of the operation of conducted electrical weapons (CEW), particularly dart-firing stun guns, as well as the effect on the human body. (Student must complete course with 80% or higher to pass.) **This is a limited access course and requires admission the Criminal Justice Training Academy or special permission of the chair of Public Safety.**

**+CJK0422, Dart Firing Stun Gun****8 contact hrs., 0.3 vocational crs.****\$32.00 lab fee**

Prerequisite: Admission to Law Enforcement Training Program and permission of the Law Enforcement Program Coordinator.

This course is part of the Criminal Justice Standards and Training Commission Law Enforcement Basic Recruit certification program. By the end of this course students be able to identify the use of a dart-firing stun gun (DFSG) in accordance with F.S. §943.1717; identify and articulate CJSTC DFSG considerations and their impact on officers in Florida; identify and articulate the possible effects that a DFSG has on the human body; properly and safely operate a DFSG; articulate (verbally and in reports) the justification for tactical options chosen while participating in DFSG simulated scenarios including the use of verbal skills to deescalate a situation, and avoid the use of a DFSG. **This is a limited access course. It requires admission to the Law Enforcement Training Program.**

**CJL – LAW & PROCESS****#CJL2062, Rules of Evidence****45 contact hrs., 3 crs.**

This course covers the rules of evidence and their exclusions and exceptions; procedures for the introduction of evidence and the examination of witnesses; and the doctrine on offer and motions to suppress evidence. Concentration is on areas important to criminal justice practitioners in the investigation of crimes and prosecution of persons accused of crimes.

**CJL2100, Criminal Law****3 hrs., 3 crs.**

A study of substantive criminal law from the Model Penal Code, explaining the specific elements of major crimes, principles of criminal law, principles of criminal liability, defenses to criminal liability, uncompleted crimes, and parties to crimes.

**CJL2130, Evidence****3 hrs., 3 crs.**

This course provides an analysis and examination of the Federal Rules of Evidence (FRE). The FRE govern the admissibility of evidence at trial. Course material will cover examination of witnesses and trial procedures, testimonial evidence, documentary evidence, circumstantial evidence, opinion evidence, the best evidence rule, hearsay evidence and exceptions, presumptions, and judicial notice.

**<CJL2205, Florida Criminal Law****45 contact hrs., 3 crs.**

Designed to teach the criminal justice practitioner goals, rationale, and principles for the Florida Criminal Law course of study.

**CJT – CRIMINAL JUSTICE TECHNOLOGIES****#CJT2808, Computer Applications in Criminal Justice****45 contact hrs., 3 crs.**

Instruction in the use of computers in criminal justice operation. Introduction to pre-packaged software and the process used to modify to criminal justice usage.

**CLP – CLINICAL PSYCHOLOGY****CLP1001, Psychology of Adjustment****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

This course centers on understanding and improving psychological adjustment and quality of life issues. Major

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topics include stress and coping, gender, interpersonal relationships, personality, and psychological disorders and treatment. Additional topics include social influence and pressure, relationships with others, career preparation, work, and adjusting through the stages of life. The desired outcome is for students to actively take charge of their own lives while adjusting effectively to an ever-changing world.

**+CLP2140, Foundations of Abnormal Psychology**  
**3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: PSY2012.

In this course students will concentrate on the comprehensive explanation of psychopathology, including the role of the current DSM in considering symptomatic patterns, causation, and treatment approaches of psychological disorders. Moreover, students will identify and categorize several types of psychological disturbances and adaptive behaviors as well as the various diagnoses and criteria, terminology, and therapeutic approaches associated with each.

**CNT – COMPUTER NETWORKS**

**+##CNT1510, Wireless Networking**  
**3 hrs., 3 crs.**

Prerequisites: CTS1560, CTS1131.

This course presents an overview of common wireless technologies such as 802.11a, 802.11b, 802.11g, cellular, PSC, infrared, and bluetooth, including theories, concepts of their operation, installation, and basic troubleshooting. Basic computing and common wireless telephony technologies such as analog, AMPS, CDMA, TDMA, GSM, 2G, 3G, PCS, and ESMR are discussed as well as new trends as they develop. Wireless local area networks and integration with wired networks are also included.

**COOPERATIVE EDUCATION**

**Cooperative Education courses may be taken toward completion of most of the Associate in Arts and Associate in Science degree programs. A maximum of six credit hours may be used in meeting the A.A. degree requirements.**

**1-3 crs.**

Prerequisite: Minimum of 2.0 GPA, completion of cooperative education application, interview with the coordinator, availability of training slot.

Supervised, practical work experiences that seeks to combine theories and apply practical skills to projects in the student's major field of study. Requirements include weekly logs, mid-term and end-of-term assignments.

**AMH2949, History**  
**ANT2949, Anthropology**  
**APA2949, Accounting**  
**ARC2949, Architecture**  
**ART2949, Art**  
**ASC2949, Unmanned Systems Practicum**  
**BCN2949, Building Construction**  
**BSC2949, Biology**  
**CCJ2949, Criminal Justice**  
**CHM2949, Chemistry**  
**CIS2949, Software Database**  
**CNT2949, Computer Networks**  
**DIG2949, Digital Media**  
**ECO2949, Economics**  
**EDG2949, Education**  
**EET2949, Electronics**  
**EMS2949, Emergency Medical Services**  
**ENC2949, English**  
**ENT2949, Entrepreneurship**  
**ETD2949, Drafting**  
**ETG2949, Engineering**  
**ETM2949, Mechanical**  
**FFP2949, Fire Sciences**  
**FNR2949, Forestry**  
**FSS2949, Restaurant/Hospitality Management**  
**GEB2949, Business**  
**HFT2949, Hospitality**  
**HIM2949, Health Information Management (2 crs.)**  
**HSC2949, Health Sciences**  
**JOU2949, Journalism**  
**LIS2949, Library Science**  
**MAC2949, Mathematics**  
**MET2949, Meteorology**  
**MNA2949, Management**  
**MVO2949, Music**  
**OST2949, Secretarial**  
**PAD2949, Public Administration**  
**PEL2949, Physical Education**  
**PHA2949, Pharmacy**  
**PHI2949, Philosophy**  
**PHT2949, Physical Therapy**  
**PHY2949, Physics**  
**PLA2949, Legal Assisting**  
**POS2949, Political Science**  
**PSC2949, Physical Science**

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PSY2949, Psychology  
 PUR2949, Public Relations  
 REL2949, Religion  
 RTV2949, Broadcasting  
 SOW2949, Social Services

### COP – COMPUTER PROGRAMMING

#### **COP1000, Introduction to Programming Logic 3 hrs., 3 crs.**

(Offered fall and spring).

This course provides programming logic that emphasizes the use of flow charts, pseudo-code, and functional structure charts to develop well-formed algorithms. Both are structured and object-oriented design methodologies will be examined.

#### **+COP2224, Introduction to C++ Programming 3 hrs., 3 crs.**

(Offered fall).

Prerequisite: \*COP1000.

This course helps students to develop problem-solving skills using programming languages. Students are introduced to fundamentals of C++ programming with an emphasis on primitive data types, control structures, looping structures, methods, and arrays. The student will also gain a basic understanding of the style of programming called object oriented programming.

#### **+COP2250, Introduction to Java Programming 3 hrs., 3 crs.**

(Offered spring).

Prerequisite: \*COP1000.

This course helps students to develop problem-solving skills using programming languages. Students are introduced to fundamentals of Java programming with an emphasis on primitive data types, control structures, looping structures, methods and arrays. The student will also gain a basic understanding of the style of programming called object oriented programming. This course will investigate objects by using classes and methods. External database sources will be used for both WinForm and WebForm based programs.

#### **+COP2657, Introduction to SmartPhone Programming 3 hrs., 3 crs.**

Prerequisite: \*COP2250.

This course provides a comprehensive project experience in the development of mobile applications on several popular software platforms including IOS (formerly iPhone OS), Google android, rim blackberry and Microsoft

Windows Mobile 7. Students receive intensive tutorial introductions to each platform, covering hardware capabilities and limitations, the development environment, and the communications infrastructure available on campus to support networking and testing.

#### **COP2700, Data Structure (SQL) 3 hrs., 3 crs.**

(Offered fall and spring).

This course provides students with a solid foundation in SQL, which provides a means for accessing and manipulating databases. Students will be familiarized with the structure of databases and introduced to the relational database model. Students will learn the fundamentals of the SQL language, including how to: create and design tables; carry out queries; add and delete data from a database; create views, and handle security.

#### **+COP2701, Database Design and Management 3 hrs., 3 crs.**

(Offered spring).

Prerequisites: COP1000, \*COP2700.

This course is designed to familiarize individuals with modern database technologies. Students will complete a series of database application projects using enterprise database software. Topics include advanced database design, entity-relationship modeling, the structured query language (SQL) including database DML and DDL functions, database query optimization, triggers, and elementary stored procedures.

#### **+COP2840, Internet Programming 3 hrs., 3 crs.**

(Offered spring).

Prerequisites: COP1000, DIG2100.

This course builds expertise in Internet programming using JavaScript and Ajax languages. Client-side and server-side scripting are included. Scripts will be used with HTML to add interactive capabilities to web sites.

#### **+#COP2940, Integrative Programming and Technologies Capstone 3 hrs., 3 crs.**

(Offered spring).

Prerequisites: \*COP2250, \*DIG2100, \*COP2700 or permission of instructor.

This capstone course provides the opportunity for students to demonstrate their mastery of the skills earned in the Software and Databased Developer (SDD-AS) program. The students will apply their knowledge to programmatically solve a real-world problem. This course

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should be taken during the student's last semester of the SOD-AS program. The course provides the student an opportunity to design, develop, test, and deploy an end-to-end application.

**+COP3834, Developing Web Sites Using PHP/MySQL**  
**3 hrs., 3 crs.**

(Offered summer).

Prerequisites: \*COP1000, \*DIG2100, \*COP2700 or permission of instructor.

This course will teach students necessary skills to effectively implement dynamic web sites using PHP hypertext preprocessor (PHP) and MySQL, connecting to a MySQL database, writing basic structured query language (SQL) commands, and developing applications with PHP/MySQL.

**+COP3855, Advanced Web Animation (JQUERY)**  
**3 hrs., 3 crs.**

Prerequisites: \*COP2840. This course provides more practical and professional tools for working with Cascading Style Sheets (CSS) and JavaScript using the jQuery and the jQuery UI (User Interface) libraries.

**+COP4640, Operating Systems Environments**  
**3 hrs., 3 crs.**

Prerequisites: \*CGS1570, \*CTS1650, COP1000, \*MAN3303.

Introduction to operating systems from an applied point of view. Topics include operating systems configuration, characteristics, and evaluations. Laboratory exercises require students to develop and maintain a multi-user operating system, develop custom system utilities, and evaluate different operating systems configurations.

**+COP4864, Client-Side Programming**  
**3 hrs., 3 crs.**

(Offered summer).

Prerequisites: COP2840, must be admitted to one of the BAS programs.

A course in principles of client-side technologies that form the complement of server-side applications. This course provides a solid foundation for the concepts of client-side programming and an introduction to client-side frameworks.

**CPO – COMPARATIVE POLITICS**

**CPO2002, Comparative Government**  
**3 hrs., 3 crs.**

(Offered fall and spring).

This course examines major forms of government using a study of various political systems. Special focus will be given to how these governments compare to the American method of government.

**CRW – CREATIVE WRITING**

**+CRW2001, Creative Writing I**

**3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: ENC1101 with a minimum grade of "C." Techniques of and practice in writing the short story, essay, poem, drama, or novel.

**+CRW2002, Creative Writing II**

**3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: CRW2001.

Techniques of and practice in writing the short story, essay, poem, drama, or novel.

**+CRW2710, Introduction to Screenwriting-Scriptwriting**

**3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: ENC1101 with a grade of "C" or higher.

The study of the written forms of the screenplay and the script (stage play) and their relationship to the adapted forms in the visual media and on stage, and the practice of writing screenplays and stage plays. The dual nature of this course requires that students learn the principles of writing for visual media and writing for the stage but allows the student to focus the major written works composed during the semester in his preferred area. (This course may be repeated up to 2 times for credit.)

**CTS – COMPUTER TECHNOLOGY AND SKILLS**

**\*CTS1111, Linux+**

**3 hrs., 3 crs.**

(Offered fall and spring).

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This course instructs students on the effective installation, configuration, maintenance, and securing workstations and servers that use the Linux operating system. Course objectives align with the CompTIA Linux+ certification.

**+\*CTS1120, Computer and Network Security (Security +)**  
**3 hrs., 3 crs.**

(Offered spring).

Prerequisites: \*CTS1650.

This course introduces students to the terminology and concepts associated with network and systems security. Topics addressed include operating system security viruses, worms and malicious software; authentication, encryption and account-based security; wireless security; web, remote access/VPN; perimeter defenses; and security management. This course prepares students to pass the CompTIA Security+ exam.

**#\*CTS1131, A+ Hardware**  
**3 hrs, 3 crs.**

(Offered fall).

This course provides students with the hands-on experience and knowledge to properly install, configure, upgrade, troubleshoot, and repair microcomputer systems. Students learn common safety, preventative maintenance, and effective problem-solving strategies. This course prepares students for the CompTIA A+ exam.

**\*CTS1133, Desktop Operating Systems (A+ Software)**  
**3 hrs., 3 crs.**

(Offered fall).

Must be passed with minimum grade of "C."

This course provides students with skills related to system-level operating system software. The course provides training in the installation, configuration, maintenance, and troubleshooting of Microsoft Windows, Linux, and Unix-based O/S. This course prepares students to pass the CompTIA A+ exam.

**CTS1154, Technical Support**  
**3 hrs., 3 crs.**

This course provides students with a broad-based knowledge of service desk technologies, tools and techniques that will prepare students to implement and support enterprise support operations within an organization.

**\*CTS1390, Installing and Configuring Windows Server**  
**3 hrs., 3 crs. (Offered spring).**

**This course is the first of a series of three courses which provide the skills and knowledge necessary to implement**

a core Windows Server infrastructure in an existing enterprise environment. The three courses in total collectively cover implementing, managing, maintaining, and provisioning services and infrastructure in a Windows Server environment. While there is some cross-over in skill sets and tasks across the courses, this course primarily covers the initial implementation and configuration of those core services, such as active directory domain services, networking services, and initial hyper-v configuration.

**+\*CTS1391, Administering Windows Server**  
**3 hrs., 3 crs.**

Prerequisite: \*CTS1390.

The course is the second course in a series of three courses, which provide the skills and knowledge necessary to implement a core Windows Server infrastructure in an existing enterprise environment. The three courses in total will collectively cover implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server environment. While there is some cross-over in skill sets and tasks across the courses, this course will primarily cover the administration tasks necessary to maintain a Windows Server infrastructure, such as user and group management, network access and data security.

**+\*CTS1392, Configuring Advanced Windows Server**  
**3 hrs., 3 crs.**

Prerequisite: \*CTS1390, \*CTS1391.

This is the third course in a series of three courses, which provides the skills and knowledge necessary to implement a core Windows Server infrastructure in an existing enterprise environment. While there is some cross-over in skill sets and tasks across the three courses this course will primarily cover advanced configuration and services tasks necessary to deploy, manage and maintain a Windows Server infrastructure, such as identity management and identity federation, network load balancing, business continuity and disaster recovery, fault tolerance, and rights management.

**\*CTS1650, Network Fundamentals**  
**3 hrs., 3 crs.**

(Offered fall and spring).

This course introduces students to learn and apply the basics of computer networking using common network devices. The course covers the OSI model, industry standards, network topologies, IP addressing/subnetting,

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and network design. This is the first of a series of courses to prepare students for industry certification including the Cisco CCNA.

**+\*CTS1651, Cisco Router Technology/Router Protocols and Concepts**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: \*CTS1650.

Must be passed with minimum grade of "C."

This course is designed to prepare students to apply and understand the basics of networking hardware. The course covers beginning router configurations, routed and routing protocols, and an introduction to LAN switching. This is the second in a four part series to prepare students for the Cisco certified networking associate examination.

**+\*CTS2193, Cloud Essentials**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: \*CTS1650.

Prepares the student to demonstrate knowledge of what cloud computing means from a business and technical perspective, as well as what is involved in moving to and governing the cloud.

**+CTS2314, Network Defense and Countermeasures**

**3 hrs., 3 crs.**

Prerequisite: \*CTS1120, CompTIA current Security+ certification, or permission of instructor.

In this course, students take an in-depth look at network defense concepts and techniques. Students examine theoretical concepts that make the world of networking unique. This course also adopts a practical hands-on approach when examining network defense techniques. Along with examining different network defense strategies, this course will explore the advancement of network implementation, as well as timeless problem solving strategies. The course also covers such essential practices as developing a security policy and then implementing that policy by performing network address translation, packet filtering, and installing proxy servers, firewalls, and virtual private networks.

**+\*CTS2315, Intrusion Detection and Firewalls**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: \*CTS1120.

In this course, students take an in-depth look at intrusion detection standards and techniques. This course is

designed for the student and network administrator who need to learn the basics of network firewall security. It covers installation techniques, discusses how to make an intelligent choice of firewall technology, and presents firewall troubleshooting. It features hands-on experience and case projects that allow the student to practice skills as they are learned.

**+\*CTS2370, Virtual Infrastructure: Installation and Configuration**

**3 hrs., 3 crs.**

Prerequisites: CTS1111, CTS1390.

This course provides students with a background in virtualization technology which serves as a precursor to cloud-based and distributive computing. The course includes an overview of virtualization technology with lectures dedicated to current virtualization products: VMware Workstation, VMware Server, Microsoft Virtual PC, Microsoft Virtual Server, and Hyper-V. Additional lectures focus on using virtualization software in networked server environments and include building virtual networks, implementing high-availability clusters, enhancing performance and security, and using VMware VSphere and Microsoft Virtual Machine Manager to centralize management of multiple virtual servers. Many hands-on activities are included, which allow the student to work with virtual computing concepts, using real-world situations to build the skills necessary for a successful understanding of virtualization.

**+\*CTS2652, Advanced Router Technology (CISCO-CCNA)**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: \*CTS1651.

This course is designed to prepare a student to apply and understand the advanced principles and applications of networking hardware. The course covers advanced router configurations, LAN switching, network management, and advanced network design. This course will help prepare students for the Cisco Certified Networking Associate (CCNA) examination.

**+\*CTS2653, Cisco Project-Based Learning/Accessing the WAN**

**3 hrs., 3 crs.**

Prerequisite: \*CTS1651.

Must be passed with minimum grade of "C."

This course teaches the principles, applications, and implementation of networking hardware. This course covers advanced network design and advanced network

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management projects. This is the fourth of a four-part series to prepare students for the Cisco Certified Networking Associate Examination.

**+#CTS2940, Cybersecurity Capstone**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: \*CGS1103, \*CTS2315, \*CIS2352, \*CIS2381, or permission of instructor.

The capstone project is designed to be inclusive of any possible expression of research and scholarly output in cybersecurity, ranging from the practical development of systems and software related to cybersecurity to the theoretical analysis or interpretive contribution to a research topic. In all cases, the capstone Project should demonstrate the student's summative expression of what the student has learned in the Cybersecurity AS (CYSE-AS) program and should be evidenced in the form of a significant project document.

**+#CTS2941, Network Technology Services Capstone**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: \*CTS1650, \*CTS1134, \*CTS1651, \*CTS2652, and \*CTS2653, or permission of instructor.

This capstone course gives students the opportunity to demonstrate their mastery of the knowledge and skills that they have earned in the Network Systems Technology (CYBR-AS) degree program. The students will apply their knowledge and skills to solve/design/implement real-world networking problems and solutions. This course should be taken during the student's last semester of the CYBR-AS program. This course provides the student with the opportunity to design/implement and potentially deploy a network system solution.

**DAA – DANCE, EMPHASIS ON ACTIVITY**

**DAA1500, Beginning Jazz Dance**

**2 hrs., 1 cr.**

(Offered spring).

A study of the basic movements of jazz dance, including basic dance routines in the modern jazz and musical theatre styles.

**DAA1520, Beginning Tap Dance**

**2 hrs., 1 cr.**

(Offered spring).

Practical study of fundamentals of tap dance as an art form, (including technique, terminology, rhythm, styles, and history. May be repeated two times for credit.

**DAA2540, Dance Techniques for the Theatre**

**2 hrs., 1 cr.**

(Offered fall).

A practical study of the fundamental dance forms used in the theatre. The course is structured for the pre-theatre major but is open to all students. Basic ballet, jazz, and tap techniques and vocabularies are taught with an emphasis on dance technique, performance, and auditioning techniques.

**DEA – DENTAL ASSISTING**

**+#=\*DEA0020C, Pre-Clinical Procedures**

**182 contact hrs., 6 vocational crs.**

**\$34.00 lab fee**

(Offered fall).

Prerequisite: Acceptance into the Dental Assisting Program. Corequisite: DEA0800L.

This comprehensive course is designed to introduce the student to chair side dental assisting in preparation for the treatment of dental patients. Areas of concentration include infection control and sterilization procedures, obtaining and recording medical/dental histories and vital signs, patient management, performing and assisting with clinical examinations and charting, assisting with local anesthesia, and operative procedures utilizing manikins and/or student partners.

**+#=\*DEA0132, Dental Nutrition**

**32 contact hrs., 1 vocational cr.**

(Offered spring).

Prerequisite: Acceptance into the Dental Assisting Program.

This course is designed to integrate nutrition into the diagnosis, care, and treatment of dental patients demonstrating the relationship between dental disease(s), diet, and oral health. Dietary assessment methods in relation to dental health will be emphasized.

**+#=\*DEA0133, Introduction to Microbiology**

**16 hrs., 1 vocational cr.**

(Offered fall).

Prerequisite: Acceptance into the Dental Assisting Program.

This course is an introduction to the role of microorganisms associated with health and disease. Microbes of concern to the dental practitioner/ auxiliary will be addressed in relation to infection control procedures and management of biohazardous waste.

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**+#=\*DEA0134, Introductory Pharmacology/Dental Office Emergencies****32 hrs., 2 vocational crs.**

(Offered fall).

Prerequisite: Acceptance into the Dental Assisting Program.

The pharmacology section of this course is designed to familiarize the student with basic concepts and considerations regarding pharmacology and pharmaceutical preparations used in dentistry. The dental office emergencies content addresses the relationship of the patient's medical history and total health status to comprehensive dental care. Emphasis is placed on the prevention of medical emergencies through a comprehensive assessment of all patients before and during dental treatment.

**+#=\*DEA0800L, Clinical Practice I****48 contact hrs., 1.5 vocational crs.****\$63.00 lab fee**

(Offered fall).

Prerequisite: Acceptance into the Dental Assisting Program.

Corequisite: DEA0020C.

This course introduces the student to basic clinical assisting skills as theorized in DEA0020C. Students will be required to participate and observe clinical and administrative activities in the campus dental clinic involving live patients. Concentration of study will include reception and dismissal of patients, patient management, establishing and maintaining records, obtaining and recording medical/dental histories and vital signs, charting, planning appointments, assisting with or performing various dental procedures, and utilizing practice management systems.

**+#=\*DEA0801, Clinical Practice II****58 contact hrs., 2 vocational crs.**

(Offered spring).

Prerequisite: Completion of DEA0020C and DEA0800L with a grade of "C" or better. Corequisite: DEA0801L.

Included in this course is a series of lectures designed to provide an overview of each dental specialty practice. Content will be related to the external student rotation sites as assigned in DEA0801L.

**+#=\*DEA0801L, Clinical Practice II Lab****198 contact hrs., 6 vocational crs.****\$41.00 lab fee**

(Offered spring).

Prerequisite: Completion of DEA0020C and DEA0800L with a grade of "C" or better. Corequisite: DEA0801.

Clinical experiences designed to provide the student with additional dental assisting skills is offered in this course. The student will progress to an intermediate skill level while applying knowledge of dental assisting in the campus dental clinic environment. In addition, students will be assigned rotation requirements at various external sites intended to provide familiarity with each dental specialty.

**+#=\*DEA0850L, Clinical Practice III****192 contact hrs., 6.5 vocational crs.**

(Offered summer).

Prerequisites: Completion of DEA0801 and DEA0801L with a grade of "C" or better.

Clinical Practice III is designed as an internship in a private practice of dentistry. Arrangements are made with each dentist taking part in the program to enable the student to obtain experience in all aspects of dental office procedures. Each student will be assigned to two offices for a period of three weeks in each office. The purpose of the internship is to advance the student's experience in private practice settings. Opportunities will be provided for appointment scheduling and confirmation, recall systems, telephone procedures, reception and dismissal of patients, bookkeeping, charting, records, operative procedures, care of dental equipment, and laboratory procedures.

**DEH – DENTAL HYGIENE****+#=\*DEH1002, Fundamentals of Dental Hygiene****3 hrs., 3 crs.**

(Offered fall).

Prerequisite: ENC1101, HUN1201, BSC2085, BSC2085L with a grade of "C" or better and acceptance into the Dental Hygiene Program Corequisite: DEH1002L.

This introductory course provides foundational knowledge relevant to the dental hygiene process of care. The philosophy of dental hygiene practice, fundamental theories, principles, and procedures utilized to perform basic dental hygiene techniques is emphasized. Content will enable the student to apply procedural knowledge in the clinical environment in DEH1002L.

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**++\*DEH1002L, Dental Hygiene Pre-Clinical Procedures**  
**9 hrs., 3 crs.****\$1,492.00 lab fee**

(Offered fall).

Prerequisite: ENC1101, HUN1201, BSC2085, BSC2085L with a grade of "C" or better and acceptance into the Dental Hygiene Program. Corequisite: DEH1002.

This course emphasizes the basic techniques of preventive clinical practice involved in the dental hygiene process of care. The student will apply relative procedural knowledge obtained in DEH1002 to gain mastery of beginning techniques with patient care. Supervised pre-clinical sessions utilizing manikins or student partners will be provided in the campus dental clinic.

**++\*DEH1130, Oral Histology and Embryology**  
**2 hrs., 2 crs.**

(Offered spring).

Prerequisites: Completion of DEH1002, DEH1002L, DES1010, DES1000, DES1100C, DES1200, DES1200L with a grade of "C" or better.

This course is a comprehensive presentation of the embryonic, fetal, and postnatal development of the tissues and structures of the head and oral cavity and their relationship to the field of dentistry. The study of embryonic development and microscopic anatomy of the face and oral cavity, including the teeth, supporting structures, salivary glands, the temporomandibular joint, and other surrounding structures is included.

**++\*DEH1400, Oral Pathology**  
**2 hrs., 2 crs.**

(Offered spring).

Prerequisites: Completion of DEH1002, DEH1002L or DEA0020C, DEA0800L, DES1320, DEA0134, DEA0133 and DES1100C, DES1200, DES1200L, DES1010, DES1000 with a grade of "C" or better or permission of the Dental Programs Coordinator.

This course involves the study of general and oral pathological diseases with emphasis on those related to the oral cavity. Students will apply pathological principles to the clinical practice of dental hygiene and dental assisting. Recognition of normal and abnormal conditions of the oral cavity and surrounding tissues will be cultivated through case presentations and slide series.

**++\*DEH1800, Dental Hygiene I**  
**2 hrs., 2 crs.**

(Offered spring).

Prerequisite: Completion of DEH1002, DEH1002L with a minimum grade of "C" or better. Corequisite: DEH1800L.

This course further examines principles and theories as related to the dental hygiene process of care. The specific components of assessment, diagnosis, treatment planning, implementation, and evaluation will be emphasized.

**++\*DEH1800L, Dental Hygiene Clinical I**  
**16 hrs., 4 crs.****\$649.00 lab fee**

(Offered spring).

Prerequisite: Completion of DEH1002 and DEH1002L with a grade of "C" or better. Corequisite: DEH1800.

An introduction to the clinical management of dental/medical emergencies will be provided in this course as the student begins to refine and apply learned pre-clinical skills and procedures to the dental hygiene process of care. The application of integrated multidisciplinary learning into clinical practice will be cultivated through supervised practice in the campus dental clinic. Clinical competencies involving assessment, diagnosis, treatment planning, implementation, evaluation, and documentation of procedures at the entry-level will be required.

**++\*DEH1802, Dental Hygiene II**  
**1 hr., 1 cr.**

(Offered summer).

Prerequisites: Completion of DEH1800, DEH1800L, DES1832, DES1832L, DEH1130, DEH1400, DES1201, DES1201L, DEH2300 with a grade of "C" or better.

Corequisite: DEH1802L.

This course permits progression in the dental hygiene process of care with an emphasis on in the introduction of advanced techniques including powered instrumentation, air polishing, instrument sharpening, advanced instrumentation, pain control, and nonsurgical periodontal treatment planning. Common or local anesthesia injection techniques and related background information are addressed in this course.

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**++\*DEH1802L, Dental Hygiene Clinical II****8 hrs., 2 crs.****\$464.00 lab fee**

(Offered summer).

Prerequisites: Completion of DEH1800, DEH1800L, DES1832, DES1832L, DEH1130, DEH1400, DES1201, DES1201L, DEH2300 with a grade of "C" or better.

Corequisite: DEH1802.

This course permits progression in the dental hygiene process of care including patient clinical/laboratory instruction with an emphasis on periodontal instrumentation. The refinement of essential skills in advanced techniques of mechanical debridement, root planing, and nonsurgical periodontal treatment will be emphasized. Common oral local anesthesia injection techniques and related background information are addressed in this course.

**++\*DEH2300, Pharmacology for the Dental Hygienist****2 hrs., 2 crs.**

(Offered spring).

Prerequisites: DEH1002, DEH1002L, DES1100C, DES1200, DES1200L, DES1010, DES1000 with a grade of "C" or better.

A study of pharmacology with emphasis on drugs related to the dental hygiene process of care, including mechanisms of action, pharmacokinetics, indications, principles of drug administration, and major adverse effects. Pharmacotherapy of cardiovascular, CNS, respiratory, gastrointestinal and endocrine conditions, antimicrobial, antifungal, antiviral, antineoplastic/immunosuppressant drugs, and drugs for anesthesia will be of primary focus.

**++\*DEH2602, Periodontology****2 hrs., 2 crs.**

(Offered summer).

Prerequisites: Completion of DEH1800, DEH1800L, DES1832, DES1832L, DEH1130, DEH1400, DES1201, DES1201L, and DEH2300 with a grade of "C" or better.

The anatomy and physiology of the periodontium in relation to the clinical manifestations and histopathology of gingival and periodontal diseases will be included in this course. Comprehensive study of the etiology, assessment, classification, therapeutic objectives, clinical management and prevention, maintenance interval and/or referral determination for periodontal patients will be emphasized. Relationships between systemic health and periodontal health and disease as related to the dental hygiene process of care will be examined.

**++\*DEH2702, Community Dental Health****2 hrs., 2 crs.**

(Offered fall).

Prerequisite: Completion of DEH1802, DEH1802L, and DEH2602 with a grade of "C" or better.

The evaluation and development of community based oral health programs focusing on assessment, planning, implementation and evaluation will be the primary objective for this course. Basic principles of epidemiology and biostatistics will be included, as well as educational aspects, policy development and health care delivery systems.

**++\*DEH2702L, Community Dental Health Lab****3 hrs., 1 cr.****\$18.00 lab fee**

(Offered spring).

Prerequisite: Completion of DEH2702, DEH2804, and DEH2804L with a grade of "C" or better. The student will assess, plan, implement, and evaluate community dental health programs using the evaluation and development criteria acquired in DEH2702. Evaluation of scientific literature and development of a dental research project will also be expected. Formative and summative evaluations of the project will be presented in research paper and presentation format.

**++\*DEH2804, Dental Hygiene III****2 hrs., 2 crs.**

(Offered fall).

Prerequisite: Completion of DEH1802, DEH1802L, and DEH2602 with a grade of "C" or better. Corequisite: DEH2804L.

This course emphasizes treatment modifications and patient management as related to the dental hygiene process of care. Students will integrate scientific research into evidence based treatment planning and implementation of care for special needs patients. The role of the dental hygienist as oral health educators and disease prevention specialists is included.

**++\*DEH2804L, Dental Hygiene Clinical III****16 hrs., 4 crs.****\$237.00 lab fee**

(Offered fall).

Prerequisite: Completion of DEH1802, DEH1802L, and DEH2602 with a grade of "C" or better. Corequisite: DEH2804.

This course is designed to advance the dental hygiene student from a basic skill level to an intermediate skill level

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in the process of dental hygiene care by integrating multidisciplinary learning into clinical practice. Instruction and clinical experience guide students in using critical thinking techniques to develop treatment plans for performing clinical skills on patients with varying degrees of periodontal disease.

**+##\*DEH2806, Dental Hygiene IV**

**2 hrs., 2 crs.**

(Offered spring).

Prerequisite: Completion of DEH2804, DEH2804L, and DEH2702 with a grade of "C" or better. Corequisite: DEH2806L.

This course reinforces exit-level knowledge and skills essential in the dental hygiene process of care in accordance to Florida State Dental Practice Statutes. Professional ethics, rules and regulations for dental practice, various management practices including team building skills and quality assurance, and future trends in dental hygiene care will be explored. Students will be introduced to employment seeking skills and learn to develop a professional resume.

**+##\*DEH2806L, Dental Hygiene Clinical IV**

**16 hrs., 4 crs.**

**\$226.00 lab fee**

(Offered spring).

Prerequisites: Completion of DEH2804, DEH2804L, and DEH2702 with a grade of "C" or better. Corequisite: DEH2806.

This course allows for clinical proficiency and expertise in the exit-level tasks essential for the dental hygiene process of care in accordance with the Florida State Dental Practice Act. Clinical experiences include treatment of the periodontally involved patient, patients with physical and mental disabilities, and the medically compromised patient. Mastery of advanced clinical skills and efficient time utilization reinforces the student's confidence, competence, and ability for self assessment.

**+##\*DEH2900, Dental Programs Independent Study**

**9 hrs., 3 crs.**

**\$237.00 lab fee**

(Offered as needed).

Prerequisite: Successful completion of an ADA accredited Dental Hygiene Program and/or permission of Dental Programs Coordinator.

This course is designed to enable dental students the opportunity to improve clinical skills/competencies or to remediate dental students who have completed program courses but desire review in preparation for credentialing

examinations. Content will be designed to meet the specific needs of the student.

**DEP – DEVELOPMENTAL PSYCHOLOGY**

**DEP2001, Infant and Child Psychology**

**3 hrs., 3 crs.**

(Offered fall and spring).

This course focuses on the growth and development of motor functions, language, intelligence, self-awareness, and personality from the prenatal period through early childhood. Students will investigate the historical and modern concepts of attitudes towards infants and children, in addition to studying the growth of infants into childhood with emphasis on the cognitive, biological, and socioemotional systems gained through learning and maturation. Child growth and development is studied in the context of family, gender, culture, language, ability, socioeconomics, diversity and society.

**DEP2004, Developmental Psychology**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

This course is a chronological study of the total human being that observes the various aspects of development taking place at different times in the person's life.

**DES – DENTAL SUPPORT**

**+##\*DES0501, Dental Practice Management**

**32 hrs., 1 vocational cr.**

(Offered spring).

Prerequisite: Acceptance into the Dental Assisting Program.

This course introduces the student to the foundations of dental practice management including effective interoffice and patient communication. Financial planning, inventory control, practice management software systems, patient scheduling/record organization and HIPAA compliance are of primary focus. The legal and ethical aspects of dental practice will be examined in accordance with the State Dental Practice Act. Employment planning and professional career opportunities will be addressed.

**+##\*DES0844, Dental Health Education**

**32 hrs., 1 vocational cr.**

(Offered spring).

Prerequisite: Acceptance into the Dental Assisting Program.

This course introduces the student to the philosophy and principles of dental health education. Current disease

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prevention utilizing proper techniques and consumer products for biofilm control will be emphasized. The student will gain practical experience by developing and providing dental health presentations during National Dental Health Month.

**++\*DES1000, Dental Anatomy**

**2 hrs., 2 crs.**

(Offered fall).

Prerequisite: Acceptance into the Dental Assisting or Dental Hygiene Program.

This course provides an in-depth study of the morphology and function of primary and permanent teeth, including all of the structures involved in the mechanism of mastication, primary and permanent tooth eruption, schedules and anatomical forms, function of primary and permanent dentition, vocabulary used to describe teeth and other structures in the oral cavity, and the principles of occlusion.

**++\*DES1010, Head and Neck Anatomy**

**2 hrs., 2 crs.**

(Offered fall).

Prerequisite: Acceptance into the Dental Assisting or Dental Hygiene Program.

This course includes a detailed study of the skeletal, muscular, circulatory, and nervous systems of the head and neck. Special emphasis is placed on structures associated with the oral cavity. Teeth are studied in relationship to the structures that support them.

**++\*DES1100C, Dental Materials**

**4 hrs., 3 crs.**

**\$226.00 lab fee**

(Offered fall).

Prerequisite: Acceptance into the Dental Assisting or Dental Hygiene Program.

This course examines the properties, manipulation, and care of materials used in the prevention and treatment of oral disease. Students will gain clinical practice manipulating the physical, mechanical, chemical, and biological characteristics of materials in relation to the oral environment.

**++\*DES1200, Dental Radiology I**

**2 hrs., 2 crs.**

(Offered fall).

Prerequisite: Acceptance into the Dental Assisting or Dental Hygiene Program. Corequisite: DES1200L.

This course provides theoretical knowledge to include the history, development, properties, uses and physical

behavior of x-radiation, radiation hygiene, biological effects of radiation, and patient/operator safety regulations. Fundamental knowledge in relation to exposing, processing and mounting intraoral radiographic images, identification of normal radiographic anatomical landmarks, and computer imaging technology in dental radiography is included.

**++\*DES1200L, Dental Radiology I Lab**

**3 hrs., 1 cr.**

**\$184.00 lab fee**

(Offered fall).

Prerequisite: Acceptance into the Dental Assisting or Dental Hygiene Program. Corequisite: DES1200.

Concurrent with DES1200, students gain practical experience with radiographic procedures, darkroom procedures, film storage, and the hazards and precautions involved in dental radiography. Students will be permitted to expose traditional and digital intraoral images in order to achieve competency in producing diagnostic quality images.

**++\*DES1201, Dental Radiology II**

**1 hr., 1 cr.**

(Offered spring).

Prerequisite: Completion of DEH1002, DEH1002L or DEA0020C, DEA0800L, DES1320, DEA0134, DEA0133 and DES1100C, DES1200, DES1200L, DES1010, DES1000 with a grade of "C" or better. Corequisite: DES1201L.

A continuation of DES1200, this course focuses on identification and interpretation of normal and abnormal dental pathology, accessory techniques and tomographic imaging systems.

**++\*DES1201L, Dental Radiology II Lab**

**3 hrs., 1 cr.**

**\$44.00 lab fee**

(Offered spring).

Prerequisite: Completion of DEH1002, DEH1002L or DEA0020C, DEA0800L, DES1320, DEA0134, DEA0133 and DES1100C, DES1200, DES1200L, DES1010, DES1000 with a grade of "C" or better. Corequisite: DES1201.

Concurrent with DES1201, this course permits students to continue practice exposing traditional and digital intraoral and extraoral images on manikins and patients in order to refine dental radiographic technique and interpretation skills.

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**++\*DES1320, Basic Communications and Human Relations****1 hr., 1 cr.**

(Offered fall).

Prerequisite: Acceptance into the Dental Assisting Program.

This course emphasizes effective oral and written communication skills with patients as well as co-workers and the importance of interpersonal relations in the dental office. Designed to stimulate group discussions and individual growth, professionalism and ethics as related to dental assisting.

**++\*DES1404, Introductory Anatomy and Physiology****2 hrs., 2 crs.**

(Offered spring).

Prerequisite: Acceptance into the Dental Assisting Program.

A study of the development of the human body along with a survey of the structure, growth, and function of the body organ system is included in this course.

**++\*DES1832, Expanded Functions****1 hr., 1 cr.**

(Offered spring).

Prerequisites: Completion of DEH1002, DEH1002L or DEA0020C, DEA0800L, DES1320, DEA0134, DEA0133 and DES1100C, DES1200, DES1200L, DES1010, DES1000 with a grade of "C" or better or possess a current CDA or RDH credential or demonstrate employment in a dental practice for two consecutive years (provide a letter of verification from employer). Enrollment based on availability; priority granted to currently enrolled DA/DH program students. Corequisite: DES1832L.

This course is designed to provide didactic instruction regarding the expanded functions legally allowable in the State of Florida. Upon successful completion of DES1832L and DES1832 (grade of "C" or better), students are issued a certificate listing the expanded functions that are accomplished at an acceptable level.

**++\*DES1832L, Expanded Functions Lab****3 hrs., 1 cr.****\$38.00 lab fee**

(Offered spring).

Prerequisites: Completion of DEH1002, DEH1002L or DEA0020C, DEA0800L, DES1320, DEA0134, DEA0133 and DES1100C, DES1200, DES1200L, DES1010, DES1000 with a grade of "C" or better or possess a current CDA or RDH credential or demonstrate employment in a dental practice for two consecutive years (provide a letter of

verification from employer). Enrollment based on availability; priority granted to currently enrolled DA/DH program students. Corequisite: DES1832.

This advanced clinical course requires a high level of clinical experience, hands-on dexterity, knowledge of intraoral anatomy, knowledge of equipment and handpieces, and the ability to work independently and make sound clinical decisions. Expanded functions that are legally allowable in the State of Florida will be demonstrated in an established sequence of tasks. Students will be given opportunities to practice on manikins and live patients in order to develop an acceptable skill level that will increase clinical competency and proficiency in each task. Upon successful completion of DES1832L and DES1832 (grade of "C" or better), students are issued a certificate listing the expanded functions that are accomplished at an acceptable level.

**DIG – DIGITAL MEDIA****DIG1135, Digital Design Concepts****3 hrs., 3 crs.**

(Offered fall).

This course examines the role of design in the Digital Media Industry. Topics include 4D Composition, Lighting, Color Theory, Formats, Resolution, Usability Issues and File formats. Students will learn to critically assess the processes, outcomes and effects of design engagement.

**+DIG2093, Digital Marketing****3 hrs., 3 crs.**

(Offered fall).

Prerequisite: MAR2011.

The internet is a dynamic marketplace if there ever was one and companies are increasingly shifting marketing efforts to digital technologies. This class will give students a theoretical understanding of the internet marketplace that is necessary to adapt to its many changes, while also equipping students with the skills needed to perform vital daily functions. It is important for students to understand some of these digital strategies and familiarize themselves with some of the technologies underlying them. By the end of the course, students should be able to walk into any company with an online presence and improve its digital marketing performance.

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**DIG2100, Web Design I****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

The student will learn the basics of using browsers to view websites, creating a web site and will progress through the processes of analysis, design, development, and implementation of complete web sites using HTML and CSS language with text editors. This course includes web programming with HTML with emphasis on CSS on layout and structure of web sites, hyperlinks, multimedia, forms, tables, testing, maintenance and uploading web sites to servers applying good web design and web site usability.

**+DIG2151, Writing for Media****3 hrs., 3 crs.**

(Offered fall).

Prerequisite or Corequisite: ENC1101 or ENC1101C.

This course is designed to introduce students to various forms of writing for media. Students will learn practical techniques for producing strong writing in current trends for media. Topics to be covered include different methods of presentation, developing creative concepts and writing for multiple formats.

**DIG2200, Digital Video Fundamentals****3 hrs., 3 crs.**

(Offered spring).

Students will be introduced to the concepts, principles, tools, and techniques of producing, assembling, and mixing digital video and audio. They will learn to understand story, creativity, planning, and organizational skills as a part of the production process. Learn the basic principles of single camera video production and demonstrate the ability to carry out the entire production process from inception to final product. Hands-on activities will help to build a foundation in video production as well as the techniques involved in transforming ideas into an effective presentation on screen.

**DIG2205, Digital Post Production****3 hrs., 3 crs.**

(Offered spring).

This course includes a detailed exploration of video capture, editing, professional workflow, and post-production tasks. Students explore non-linear video and audio editing techniques for digital video and movie making. Students learn innovative techniques to create and edit videos and movies based on storyboards, camera work, sound, animations, photographs, drawings, text, and

other materials. Fundamentals of visual storytelling--including continuity, pacing, and dramatic structure--are emphasized. Experience planning, shooting, and editing video projects will be provided through hands-on exercises, projects, and assignments.

**DIG2251, Sound for Digital Media****3 hrs., 3 crs.**

(Offered fall).

This course will introduce students to the concepts of recording and mixing music and other audio using computer-based Digital Audio Workstations (DAWs). Topics covered include digital audio theory, DAW signal flow and system requirements, stereo mixing techniques, and use of software-based audio effects processors such as equalizers, compressors, reverbs, and amp simulators. Students will explore current technologies and practices used for field recording, use of DAWs, and digital audio editing.

**DIG2257, Radio Production Sound Recording****3 hrs., 3 crs.**

(Offered spring).

This is a course in the science and art of production sound for the purposes of broadcasting via terrestrial and digital media. Students are taught how to use microphones, field mixers, control boards, digital automation systems and audio editing platforms for the purpose of broadcasting and/or recording dialogue, sound effects, and music via radio broadcast signal, digital stream and/or podcast. Practical application of audio production and its relationship to other aspects of media production are emphasized throughout the coursework. Fundamentals of sound editing and mixing for commercials and promotional audio as well as the principles of on-air broadcast are introduced. All program material produced for this class must be able to be aired on a FCC regulated radio station. Students will be assigned a weekly one hour slot on WKGC.

**DIG2290, Studio Production and Direction****3 hrs., 3 crs.**

(Offered fall).

This course will introduce the student to terminology and operation of video production equipment in a television control room and studio environment, including broadcast studio cameras, digital studio production switcher, character generator console, digital audio mixer, videotape recorders, production microphones, studio lighting and lighting board operation, and basic

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engineering concepts of camera control units, time based correctors, and calibration through waveform and vectorscope monitors. Students will become proficient operating the camera, audio board, lighting equipment, video switcher, character generator, and other studio equipment. Students will write scripts, interpret and block scenes, and direct individual and team projects. They will learn the process of planning for a television or video production. They will learn the pre-production, production, and postproduction stages of videoing an event.

#### **DIG2410, Basic Scripting**

**3 hrs., 3 crs.**

(Offered spring).

This course introduces the student to the basic concepts of writing for visual media. Topics to be covered include understanding different visual presentations, the stages of script development, developing creative concepts, differences between fictional and non-fictional narratives, writing for multiple formats, and writing for nonlinear programs for digital media.

#### **DIG2430, Digital Story Development**

**3 hrs., 3 crs.**

(Offered fall).

This course focuses on storytelling skills for time-based media. These include storyboarding conventions and techniques, the visual and auditory language of time-based media, design development, concept development, animatics, and story development. Storytelling is explored first with a traditional, "continuity style" approach, and subsequently with more experimental approaches. The principles and issues presented are relevant for animation, live action, film, and video. The course focuses on understanding and manipulating the graphic language of film, video, and animation to tell a story in coherent and compelling visual terms. Emphasis is placed on the process of refinement and iterations in the development of the story. Students participate in weekly class critiques and discussion of both their own work and of professional films.

#### **DIG2431, Digital Storytelling**

**3 hrs., 3 crs.**

(Offered spring).

The purpose of this class is to give students experience with digital storytelling and the processes used to create digital stories. Students will be familiar with rubrics used to evaluate digital stories. They will create purpose-driven

narratives, to be delivered through different mediums utilizing industry-standard software.

#### **+DIG2580, Digital Media Portfolio**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisites: \*DIG2100, \*GRA2156.

Corequisites: DIG2251, DIG2200.

Participants in this course will have an opportunity to explore the skills and techniques associated with digital media portfolio creation. Students will explore current tactics and practices used to display best works and showcase projects completed throughout their digital media program. Students will perform self-reflective exercises to determine working and learning styles, research industry positions, learn basic job hunting skills, and learn how to develop and present their work. Students will research Web sites, analyze intended audiences, construct a resume, write a digital artist's statement, and create a prototype digital portfolio for self-promotion. This is a capstone course intended to be taken the last semester of study.

#### **DIG2822, Electronic Journalism**

**3 hrs., 3 crs.**

(Offered spring).

This class will introduce students to the techniques of journalism in digital media and offer students conceptual and practical tools to work with. By the end of the course, students should have a clear understanding of the ways journalists have adopted digital media technologies and a sense of how they may use those media. They will also develop a broad understanding of the ways in which recent social and economic developments have changed both the way that journalists reach the public audience.

#### **+DIG3343, Broadcast Graphics I**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: GRA2156.

This course provides an overview of the working aspects of the motion graphics in the broadcast industry, which includes the categories of commercial, broadcast, main title, and music video. Topics include production needs, equipment, and computer graphics and how they are used in a variety of broadcast content. Projects will cover basic motion graphics principles, design and composition, timing and drama, storyboarding and planning, sound and music development and synchronization.

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\*Minimum grade of "C" required.

**+DIG3451, Visual Storytelling****3 hrs., 3 crs.** (Offered spring).

Prerequisites: DIG2410, DIG2200.

This course reinforces the principles of visual storytelling and visual development, continuing on the nature and traditions of visual storytelling, and focusing on the creative development of narrative ideas to be implemented visually. This course will cover techniques and mechanics of visual development with emphasis on strong visual designs which communicate effectively. Students will be introduced to two distinct, but overlapping approaches to continued development of students' knowledge and skills on the topics of visual storytelling and visual development. Students will perform significant hands-on assignments that practically apply the concepts under the mentoring of an experienced eye.

**+DIG3512, Digital Optimization and Analytics****3 hrs., 3 crs.**

(Offered fall).

This course examines the strategic use of search engine optimization in marketing in order to build profitable customer relationships. Topics in the course will include consumer search behavior, search engines and algorithms, website user-experience, on- and off-page SEO, and strategies for conducting SEO campaigns for traditional and niche search engines. The course is designed to teach the fundamentals of SEO as well as provide practice with analysis and skills associated with doing SEO for a business or organization.

**+DIG3525, Digital Production Studio I****3 hrs., 3 crs.**

(Offered fall).

Prerequisite: DIG2200.

This course is focused on developing creative skills that are applicable to visual design and digital production. Students will learn some techniques to help them more fully access their creativity. They will also learn how to express themselves clearly in writing and how to work together as a team to see projects to completion. This course will introduce the student to basic techniques of idea generation, visualization, creative production, time management, and scheduling skills.

**+DIG3526, Digital Production Studio II****3 hrs., 3 crs.**

(Offered spring).

Prerequisite: DIG3525.

This course prepares the student for professional production within the corporate/informational realm, with particular attention toward a documentary-style narrative structure. Students will work as a production team in developing a finished professional product for use in their portfolio. Students will experience hands-on instruction in advanced camera work, lighting, and audio; students will also work extensively with Adobe editing software, with an introduction to Adobe After Effects for basic compositing and effects work.

**+DIG3543, Media Planning****3 hrs., 3 crs.**

(Offered spring).

Prerequisite: CGS2069.

This is a skill-based course designed to teach students the concepts and practices fundamental to place advertising messages in traditional and online media. Students will learn the advantages and disadvantages of placing ads in television, radio, newspapers, magazines, internet, outdoor, and mobile media. Students read and assess research from major media research firms. Students also complete a series of media math assignments to reinforce the concepts and calculations discussed in class.

**+DIG3553, Interactive Media Design****3 hrs., 3 crs.**

(Offered fall).

Prerequisite: DIG2430.

This course is an interdisciplinary approach to design and construction of advanced interactive media, applying theory, aesthetic, and scientific principles of user interaction. The course covers advanced techniques associated with interactive media production, including design, digital storytelling, usability theory, and current best practices. The course also focuses on gaining familiarity with contemporary styles and trends in professional interactive/motion graphics. An emphasis will be placed on connecting the fundamental principles of animation with the After Effects workflow, to develop advanced motion graphics skills. Students will work to develop a better understanding of how to develop a distinct visual style in both personal work and in work for clients.

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**+DIG3588, Digital Capstone****3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisites: DIG3543, DIG3716, DIG4570.

The focus of this course is to professionalize students planning to work in digital technology or a related field. Thus, attention is given to providing students with a hands on experience with directing and participating in a large digital media project; teaching students how to engage in a critique of digital work; and helping students prepare requisite materials, such as a proposal, portfolio, resume, and writing sample, needed for their professional career. This course offers students a kind of literacy of digital media aimed at enhancing their success in the field. The course also addresses the notion of capstone by considering overall academic accomplishments in light of specific personal and career goals. This course is to be taken during the last semester of the students program of study.

**+DIG3716, Interface Design****3 hrs., 3 crs.**

(Offered spring).

Prerequisite: DIG2100.

This course is a study in interface design. Interface design is a major component in the design of interactive software and website development. Students will design and develop fully functioning websites while studying and applying proper function, usability, and layout and design aesthetics. A base understanding of web programming language is needed due to a major component of the class is the creation and understanding of website function that directly relates to the interface design. Design using markup languages and style sheets to produce visually pleasing and usable interactive interfaces.

**DIG3811, User-Centered Design****3 hrs., 3 crs.**

(Offered fall).

This course will familiarize students with the fundamental of digital media design principles specifically as they relate to the human-computer-human interface, usability, and effectiveness. Students will be introduced to industry standard practices in usability and task analyses as a part of the overall design process. They will explore the user-centered design paradigm from a broad perspective, emphasizing how user research and prototype assessment can be integrated into different phases of the design process. Students learn to think like a user-centered designer and carry out activities that are key to user-centered design.

**+DIG4153, Writing for Digital Media****3 hrs., 3 crs.**

(Offered spring).

Prerequisite: DIG2151.

This course will emphasize the methodologies and fundamentals of writing for a digital medium and instruct students in the emerging philosophies and values of digital content production along with the application of the methods and fundamentals in the areas of language theory, document design, markup language and the editing process. Students will analyze and discuss the origins of digital journalism and evaluate its impact on today's constantly changing flow of consumer driven information.

**+DIG4433, Visual Development****3 hrs., 3 crs.**

(Offered summer).

Prerequisites: GRA2156, DIG2100with a minimum grade of "C."

This course covers principles of visual storytelling and visual development, including the nature and tradition of visual storytelling. This course will focus on storytelling, sketching, and communication of design ideas within a design team and to potential users. Assignments will focus on hands-on learning through individual assignments, application of design skills in group mini-projects, and peer critique.

**+DIG4530, Media for E-Commerce****3 hrs., 3 crs.**

Prerequisites: COP3842, CGS2069, DIG2101.

This course examines the concepts, technology, and applications of electronic commerce, or e-commerce. Since users can engage in e-commerce from a fixed device

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(e.g., PC) or from a mobile device (e.g., mobile phone) we will examine both traditional fixed e-commerce and mobile e-commerce or m-commerce. The course begins by setting the context for e-commerce within the domain of information systems. The course then examines how digital media can support of electronic commerce on the internet: the applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Emphasis on the artistic and creative components supporting the business aspects of electronic commerce.

**+DIG4564, Content Management Systems**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: DIG2100.

This course will introduce concepts for the design and development of industry standard applications using content management systems. Students will use content management systems and development techniques to produce websites that retrieve and store information, manage large amounts of content, and make coding more efficient along with beginning to intermediate level coding using common web development languages.

**+DIG4570, Digital Multimedia Production Techniques**

**3 hrs., 3 crs.**

Prerequisite: DIG2822.

This course explores the avenues of contemporary digital production. Students will learn each of the new media, along with its history and connection to the worlds of art and design. Students will be prepared to work for digital news enterprises by understanding how digital technology has changed the field of news media. This course is designed to instruct students in practical skill sets like Web site construction and design, but also to instruct students in the emerging philosophies and values of digital content production. In addition to working on the production of digital projects, students will analyze and discuss the origins of digital journalism and evaluate its impact on today's constantly changing flow of information.

**+DIG4591, Multimedia Production and Design Group**

**3 hrs., 3 crs.**

Prerequisite: DIG2100.

This course examines the application and implementation of business, design and programming skills students have acquired. Student will learn WordPress development techniques to produce websites that retrieve and store information, manage large amounts of content, recognize returning users and make coding more efficient. Students

will examine legal and ethical issues concerning the development and distribution of multimedia products. Students will work in production groups to examine business problems, determine the source problem, ascertain a working solution and implement a functional model complete with proposals, design, technical and quality assurance documentation. Design solutions appropriate to a targeted market will be emphasized. This course provides hands-on experience with WordPress, MvSQL, and PHP.

**DSC – DOMESTIC SECURITY**

**<DSC2212, Emergency Preparedness for Correctional Officers**

**45 contact hrs., 3 crs.**

Focus on tactical operations planning, internal factors affecting emergency situations, and resolution of hostage and disturbance situations. Additional emphasis on the role of management, managerial styles, organizational leadership, and elements of change.

**+#DSC2250, Unmanned Vehicle Fundamentals for Disaster Management**

**45 contact hrs., 3 crs.**

Prerequisite: \*ASC2560.

This course will prepare students to participate in unmanned vehicle system operations within a disaster management context through the integration of emergency management theoretical frameworks and technical skill applications with an emphasis on preparedness, mitigation, and response mission-areas.

**DSC3064, Emergency Communications**

**45 contact hrs., 3 crs.**

This course emphasizes to students the multi-faceted communications necessary between local, state, federal agencies, and the media to minimize and prepare for hazards, disasters, and terrorist activity. Issues of public policy/administration, law, criminal justice and the social/behavioral impacts of communication protocols and methodologies will be considered throughout the course. It introduces students to the fundamental concepts, principles, and practices of communications relations in a risk environment as well as effective leadership in an emergency management setting.

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**EAP – ENGLISH FOR ACADEMIC PURPOSES****EAP1620, English for Academic Purposes: Reading 6  
3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: Option for students who score below the prescribed state levels on the placement test for ENC1101 or ENC1101C. Must be passed with a minimum grade of "C."

This is an advanced course for students whose native language is not English. Students develop ability to comprehend and interpret authentic college level texts in content areas by applying appropriate reading strategies.

**EAP1640, English for Academic Purposes: Writing 6  
3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: Option for students who score below the prescribed state levels on the placement test for ENC1101 or ENC1101C. Must be passed with a minimum grade of "C."

This is an advanced composition course in English for speakers of other languages. Students are given intensive practice in the writing of the multi-paragraph essay for the various modes. Emphasis is given to clear and logical development of ideas. Students apply advanced grammar skills and precise vocabulary usage to essay writing.

**ECO – ECONOMICS****•ECO2013, Principles of Economics, Macro  
3 hrs., 3 crs.**

(Offered fall, spring, and summer).

In this course, students will learn the foundations of macroeconomics as the branch of economics concerned with how decision-making, in an environment of scarcity, maps onto the aggregate economy. Students will examine theories and evidence related the following core set of topics: national income determination, money, monetary and fiscal policy, macroeconomic conditions, international trade and the balance of payments, and economic growth and development. The course deals with the basic tools of analytical macroeconomics applied to the vital problems of our dynamic economy, national income, business fluctuations, unemployment and inflation, the problems of economic growth, government fiscal and monetary policy, money and banking, gold and foreign trade, and the challenge of alternative economic systems.

**ECO2023, Principles of Economics, Micro  
3 hrs., 3 crs.**

(Offered fall, spring, and summer).

This course addresses the basic economic tools of supply and demand, consumer demand and behavior as measured using the concepts of utility and elasticity, the costs of firm production and their relationship to output, market structures and the production and profit-maximizing decisions of firms within the four primary market models, how government regulation influences market outcomes, the operation and role of key factor markets including the labor and financial markets, the tax system and the distributional issues associated with equity versus efficiency, and the fundamentals of international trade and finance and their influence on economic outcomes.

**EDE– EDUCATION: ELEMENTARY****+EDE2300, Introduction to Teaching Methods II  
3 hrs., 3 crs.**

Prerequisite: EDF1005.

(Offered spring).

This course focuses on the essential teaching methods needed by K-6 educators in alignment with FLDOE competencies and national, state, and district standards. Course content emphasizes research-based best practices and a comprehensive overview of teaching elementary-level (K-6) math and science development, instruction, and assessment.

**+EDE2310, Introduction to Teaching Methods I  
3 hrs., 3 crs.**

Prerequisite: EDF1005.

(Offered fall).

This course focuses on essential teaching methods for K-6 educators in alignment with FLDOE competencies and national, state, and district standards. Course content emphasizes research-based best practices and a comprehensive overview of teaching ELA (English Language Arts) and social science content literacy development, instruction, and assessment.

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**EDF – EDUCATION: FOUNDATIONS AND POLICY STUDIES****+EDF1004, Educational Field Experience  
3 hrs., 3 crs.**

Corequisite: EDF1005.  
(Offered fall).

This experiential learning course focuses on the art and craft of professional teaching through substantial classroom observations of professional educators in a public-school setting. Students will plan, implement, and evaluate learning activities, supervise student behavior, and teach on a scheduled basis under the guided observation of a classroom teacher and GCSC faculty. Additional assignments will be determined by GCSC faculty and the supervising teacher to suit the needs and the skills of the student. This course requires the submission of a comprehensive Observation Journal and weekly seminar-style meetings with the assigned GCSC faculty. Students must document (and have certified by the classroom teacher) a minimum of 100 hours of classroom observations--hours that cannot be counted toward any other course's observation requirement.

**EDF1005, Introduction to the Teaching Profession  
3 hrs., 3 crs.**

(Offered fall and spring).

This course provides an overview of Florida's educator certification pathways and career options in education in accordance with Florida Statutes. Topics include: key educational philosophies; professional ethics; legal responsibilities, including mandatory reporting for child abuse and neglect; the Florida Educator Accomplished Practices (FEAP); key instructional practices associated with effective teaching of students with exceptionalities; Florida's state academic standards; and historical, legal and financial foundations of the Florida education systems. Students will explore effective teaching strategies in classroom management, educational technology and the foundations of all student learning needs. Includes a minimum of 15 hours of required clinical experience in a variety of school settings. **Fingerprinting and background checks will be required of every student through their respective school district BEFORE any observations are undertaken at the public schools. GCSC has articulation agreements only with Bay, Gulf, and Franklin school systems for EDF1005 observations.**

**+EDF1006, Educational Field Experience II  
3 hrs., 3 crs.**

(Offered spring).

Corequisite: EEX2010.

Designed as a corequisite with EEX2010, "Introduction to Exceptional Learners," students in EDF1006 will observe and extensively document how professional educators employ techniques and best practices for teaching exceptional learners. Students will plan, implement, and evaluate learning activities and teach on a scheduled basis under the guidance of a classroom teacher and GCSC faculty. Additional assignments will be determined by GCSC faculty and the supervising teacher to suit the needs and the skills of the student. This course requires the submission of a comprehensive Observation Journal and weekly seminar-style meetings with the assigned GCSC faculty. Students must document (and have certified by the classroom teacher) a minimum of 100 hours of classroom observations--hours that cannot be counted toward any other course's observation requirement. Permission of instructor is required for enrollment.

**EEC – EDUCATION: EARLY CHILDHOOD****EEC1001, Introduction to Early Childhood Education  
3 hrs., 3 crs.**

(Offered fall, spring, and summer).

This course covers the history, types, and guidelines for pre-school educational programs that are center based family home childcare, nursery, or after-school programs. Major topics include growth and development in young children, challenges facing caregivers and parents, behavior management strategies, rules governing childcare, indicators of abuse and neglect, environmental considerations, and childcare and diversity. The course fulfills a portion of the 120 hours of training required for the Florida Child Care Professional Credential (FCCPC).

**+EEC1272, Teaching Exceptional Children in Inclusive Settings  
3 hrs., 3 crs.**

(Offered fall).

Prerequisite/Corequisite: EEC1001.

This course focuses on teaching young children with exceptionalities in early care and educational settings and will present a model for effective inclusion centering on theories of play development. Course content also includes the organization of the environment, provision of

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emergent literacy opportunities, management of challenging behaviors, and the development of partnerships among parents, professionals, and community agencies.

**+#EEC1319, Portfolio Development and Supervised Work Experience**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite/Corequisite: EEC1001.

This course is designed to provide students with learning opportunities related to demonstration of written competencies for children ages birth to five years, in the functional areas of early childhood education. This course requires the successful completion of a portfolio providing validation of teacher core competencies. In addition, this course requires the successful completion of an on-site observation, serving as the lead teacher in a child care organization, demonstrating the student's competency levels in each of the designated functional areas. Students must complete a total of 480 hours of valid work experience with children ages birth to five years. A minimum of 120 hours must be completed during the FCCPC program. Students may provide documentation of the additional 360 hours within a five-year period prior to completion of the program. Observations may only be scheduled in the GCSC service district (Bay, Gulf, Franklin counties), unless prior approval has been made by the course instructor and program coordinator. This course will support students in attaining the educational requirements for the Florida Child Care Professional Credential (FCCPC). In order to be eligible for the FCCPC, students must provide evidence of an official high school diploma or GED to GCSC.

**+#EEC1732, Infants, Toddlers, and Caregivers**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite/Corequisite: EEC1001.

This course is designed to provide students with learning opportunities addressing foundational stages and sequence of infant-toddler development, introduce students to the definition and use of developmentally appropriate practices in home and classroom environments, correlate individual infant and toddler care plans to the development of the whole child, and embed curriculum implementation within care routines. Emphasis is placed on the implementation of respective caregiving, responsive attachment, and environmental teaching strategies that promote quality programming in infant and toddler care settings. Observations and practicum

assignments in early learning/child development programs are required.

**+#EEC2223, Art, Music, and Movement for Young Children**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite/Corequisite: EEC1001.

EEC 2223, Art, Music, and Movement for Young Children, is a web-hybrid course. This course is designed to provide students with learning opportunities related to the theory and practice of art and music appreciation and movement theory and practices, as a foundation for the development of the whole child, birth to eight years of age. Educational and brain research is presented with art, music, and movement theory to support the student in fostering environments and teaching strategies that assist in developing the whole child. The basics of art and music appreciation and movement education provide teachers and practitioners with an overlay of theoretical concepts transformed into practical classroom techniques. Teaching artifacts and student observation in diverse child related settings are required for this course.

**+#EEC2240, Social Studies and Creative Expression for Young Children**

**3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite/Corequisite: EEC1001.

This course provides students with the knowledge of developmentally appropriate social studies and creative expression concepts for children, ages birth through five years, and techniques for incorporating them throughout the curriculum. Topics include culture, time, people, places, individual and global identity, sense of community, dramatic play, music, art, and creative movement. Current educational research and brain research is presented as the foundation for understanding the role of the early childhood educator in implementing curriculum as a broad technique for supporting the development of the whole child. The course also includes assessment of typical and atypical development in order to design appropriate accommodations to meet the needs of all children enrolled in the early childhood program. This course will support students in attaining the educational requirements for the Florida Child Care Credential (FCCPC).

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**+#EEC2523, Leadership and Management of Child Care Programs****3 hrs., 3 crs.**

(Offered spring).

Prerequisite/Corequisite: EEC1001.

This course is designed to provide students with targeted strategies to develop a broad perspective and knowledge base for problem solving, planning, implementing, and evaluating health, safety, and nutritional processes necessary within a quality early education and care setting. Successful completion of this course also meets the educational requirement for the Foundational Level Child Care and Education Administrator Credential, as defined by the State of Florida.

**+EEC2602, Guiding the Young Child****3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite/Corequisite: EEC1001.

This course is designed to provide students with learning opportunities related to the principles of observing, recording, and interpreting child behavior within the early childhood environment. Emphasis is placed on the role of observation and of the observer in developing strategies that support the healthy development and coping techniques of the young child. Typical and atypical patterns of behavior are identified, as well as genetic and environmental factors that influence child behavior. Child related observations and teaching artifacts required for this course.

**+EEC2713, Facilitating Social Development****3 hrs., 3 crs.**

(Offered spring).

Prerequisite/Corequisite: EEC1001.

This course is designed to provide students with learning opportunities in the development, selection, and implementation of developmentally appropriate activities that support the development of the whole child with a targeted emphasis on social-emotional development. A child-centered philosophy utilizing positive guidance skills is presented with opportunities for practice and implementation. Elements of the course include outcome-based activity design, activity evaluation, and development of classroom routines, transitions, and small group learning to promote social-emotional development. Areas of study include theme-based activity planning and child-interest based planning. This course supports the Florida Child Care Professional Credential and the national Child Development Associate Credential. Course includes a

practicum, which requires students have access to some type of early childhood learning environment to complete practicum assignments and observations.

**+#EEC2734, Health, Safety, and Nutrition for Young Children****3 hrs., 3 crs.**

(Offered fall).

Prerequisite/Corequisite: EEC1001.

This course is designed to provide the student with learning opportunities that include the role of nutrition, healthy, and safe practices as it relates to providing early education and care for the young child. Emphasis is given to understanding the role of consistently incorporating healthy practices within the child's day. Instruction related to the documentation and appropriate implementation of processes that resolve childhood emergencies is also included in this course.

**EET – ELECTRONIC ENGINEERING TECHNOLOGY****+#EET1035C, AC & DC Circuits****4 hrs., 3 crs.****\$42.00 lab fee**

(Offered spring).

Prerequisite: EET1084C, ETI2001C.

This integrated lecture/lab course continues the study of AC and DC circuits beyond Introductory Electronics. Topics include current, voltage, resistance, and power in series, parallel, and combination DC circuits. Capacitance, inductance, resonance, and power will be covered in AC circuits. Network theorems, filters, networks, and transformers will also be covered. The lab portion develops skills in fabricating circuits, reading schematic diagrams, measuring circuit parameters, and troubleshooting circuit faults. Student will use basic testing equipment such as the digital multimeter, function generator, and power sources. Computer simulation software is used to predict voltages and currents in various circuits and to verify results through hands-on experimentation.

**#EET1084C, Introduction to Electronics****4 hrs., 3 crs.****\$55.00 lab fee**

(Offered fall and spring).

Introduction to the principles of electricity, magnetism, and basic laws. Includes fundamentals of analog and digital electronic components and circuits, including applications. Laboratory exercises will consist of

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experiments with basic circuits and test equipment, as well as an introduction to mobile robotics.

**+#EET1140C, Electronic Devices and Circuits**  
**4 hrs., 3 crs.**

**\$31.00 lab fee**

(Offered fall).

Prerequisite: EET1035C.

Integrated lecture and laboratory experiences in the study of semiconductor devices and their application in electronic circuits. Included is the study of the structure of matter, diodes, transistors, biasing, FETs, PNPNs, single stage amplifiers, and other devices. Study of power supplies, oscillators, and amplifiers using discrete components and operational amplifiers are included. Design of these circuits, frequency response, stabilization, and feedback will be considered.

**#EET2214C, LabVIEW Instrumentation**  
**5 hrs., 3 crs.**

This course teaches programming concepts, techniques, features, virtual instrumentation, and functions used to create test and measurement, data acquisition, instrument control, datalogging, measurement analysis, and report generation applications. Experience is also gained in writing algorithms in the form of flow charts and block diagrams.

**EEX – EDUCATION: EXCEPTIONAL CHILD – CORE  
 COMPETENCIES**

**EEX2010, Introduction to Exceptional Learners**  
**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

EEX2010 is a foundation course exploring the primary categories of exceptional students and the techniques, strategies, and best practices employed in the classroom. Emphasis will be on etiology, terminology, classification, prevalence, the history and philosophy of exceptional learner education, educational strategies and approaches, legal and medical implications, and the educational, personal, and social growth of exceptional learners. The overall goal is to introduce the techniques in identifying and understanding the needs of exceptional learners.

**EGN – ENGINEERING: GENERAL**

**EGN1110C, Engineering Drawing**  
**6 hrs., 3 crs.**

(Offered fall).

Student must provide own drafting instruments.

A basic course in graphical expression. This course focuses on using 3-D visualization projects to solve problems and uses traditional drafting practices. Areas covered will be orthographic projections, geometric constructions, isometric drawings, sectioning, dimensioning, and auxiliary views.

**EME – EDUCATION: TECHNOLOGY AND MEDIA**

**EME2040, Introduction to Technology for Educators**  
**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

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 peripherals 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 in regard to research, analysis, and demonstration of technology. Students will be provided an overview of the Florida Educator Accomplished Practices, Sunshine State Standards, the Professional Educator Competencies and the National Educational Technology Standards.

**EMS – EMERGENCY MEDICAL SERVICES**

**+##EMS1119, Emergency Medical Technician**  
**5 hrs., 5 crs.**

Corequisite: EMS1401.

The initial study of emergency medical services designed to enable the student to become proficient in the emergency care of the sick and injured. Completion of course leads to eligibility for licensure examination as an Emergency Medical Technician-Basic (EMT-B).

**##EMS1310, Emergency Medical Services Management**  
**1 hr., 1 cr.**

Designed for persons who supervise emergency medical services personnel. Emphasis is placed on goal setting, organizational structure, budgeting, communications, performance evaluation, and stress management.

**##EMS1335, Emergency Vehicle Operator I**  
**1 hr., 1 cr.**

**\$20.00 lab fee**

•General Education Core.

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Designed to meet Florida Health Department requirements that all emergency vehicle operators employed by EMS providers must have completed an ambulance driving program. The course combines lecture with a driving laboratory. (Students who are not active duty military must show proof of a valid Florida Driver's License.)

**+#\*EMS1401, Emergency Medical Technician Lab**  
**13 hrs., 5 crs.**

**\$82.00 lab fee**

Corequisite: EMS1119.

An integrated experience that is designed to allow the student to apply practical experience to material learned in Emergency Medical Technician. Students will learn how to assess, treat and transport the sick and injured at the level of the Emergency Medical Technician in the laboratory, simulated, medical facility and pre-hospital field environment. There is emphasis on assessment based learning and complies with national EMT curriculum.

**+#\*EMS1555, EMS Trauma Management**  
**16 hrs., 1 cr.**

**\$18.00 lab fee**

Prerequisite: EMT certificate or permission of the instructor.

This course is designed for the EMS student, teaching the fundamentals of managing traumatic injuries at the basic and advanced levels in accordance with the National Basic Trauma Life Support Committee. The recognition and treatment of specific traumatic injuries such as pneumothorax, closed head injury, hemothorax, compensated and decompensated shock, fractures, uncontrolled bleeding, and internal injuries of the abdomen and thorax. Emphasis is on rapid assessment, management, and transport with discussion on mechanism of injury and kinematics of trauma.

**+#\*EMS1761, Assistant Teaching in Emergency Medical Services**

**3 hrs., 3 crs.**

Prerequisites: EMT license and permission of the instructor.

Emphasis is placed on lesson plan development, classroom management, awareness of EMS regulatory agency requirements for course content, and effective methods of instruction in cognitive material and psychomotor skills. The student participates in cognitive and psychomotor instruction under the supervision of EMS faculty.

**+#\*EMS2231, Paramedic I**  
**9 hrs., 9 crs.**

Corequisite: EMS2435.

First course in the sequence necessary for Paramedic program completion. Designed to integrate concepts & clinical skills learned at the EMT level with advanced life support concepts & skills. Emphasis on patient assessment, pulmonary anatomy & physiology, advanced airway management, pathophysiology & clinical management of shock, medical emergencies & cardiac related emergencies. Course is consistent with the most current Paramedic curriculum guidelines.

**+#\*EMS2232, Paramedic II**  
**8 hrs., 8 crs.**

Prerequisites: BSC1020, EMS2231, EMS2435, RET1934.

Corequisite: EMS2436.

Second course in the sequence necessary for Paramedic program completion. Integrates & reinforces concepts & clinical skills learned in Paramedic I. Emphasis on pharmacology, behavioral, trauma, obstetrics, pediatrics, EMS operations, and special challenges (critical care, mass casualty), and reinforcement of cardiology and medical emergencies. Consistent with the most current Paramedic curriculum.

**+#\*EMS2233, Paramedic III**  
**2 hrs., 2 crs.**

Prerequisite: EMS2232, EMS2436, EMS2553, EMS2934.

This course is a culmination of the Paramedic program in which previous education and training are reviewed and applied to complete a comprehensive educational learning experience. Case reviews, laboratory practice and simulated experiences are reviewed through the lens of an entry-level Paramedic provider. The course ends with a comprehensive written and practical examination. Successful completion leads to eligibility to sit for the National Registry Paramedic examination.

**+#\*EMS2425, Paramedic Internship**  
**18 hrs., 6 crs.**

Prerequisites: EMS2232, EMS2436, EMS2553, EMS2934.

Corequisite: EMS2233.

This is a capstone clinical practice course consisting of ten (10) 24-hour shifts aboard an advanced life support ambulance. The Paramedic student functions under the clinical supervision of a selected Paramedic preceptor as the acting charge Paramedic for the entirety of clinical internship. In addition the students participate in 15

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sentinel clinical scenarios in a high-fidelity simulation lab setting and laboratory skills review.

**+##EMS2435, Paramedic I Lab**  
**18 hrs., 7 crs.**

**\$97.00 lab fee**

Corequisite: EMS2231.

Integrated experience including laboratory learning and practice, simulated patient experiences, and clinical experience in area medical facilities and pre-hospital emergency medical services.

**+##EMS2436, Paramedic II Lab**  
**18 hrs., 7 crs.**

**\$106.00 lab fee**

Prerequisite: EMS2231, EMS2435.

Corequisite: EMS2232.

Integrated experience including laboratory learning and practice, simulated patient experiences, and clinical experience in area medical facilities and pre-hospital emergency medical services practicing advance life support.

**#\*EMS2552, Advanced Cardiac Life Support**  
**16 hrs., 1 cr.**

**\$10.00 lab fee**

Advanced Cardiovascular Life Support (ACLS). This course builds on the foundation of lifesaving BLS skills, emphasizing the importance of preventing cardiac arrest, early and continuous high-quality CPR, and high-performing teams resulting in the obtainment of the Advance Cardiovascular Life Support (ACLS) certification. Science and education from the most current American Heart Association Guidelines for CPR and Emergency Cardiovascular Care will be utilized.

**+##EMS2553, Pediatric Advanced Life Support**  
**16 hrs., 1 cr.**

**\$13.00 lab fee**

Prerequisite: EMT certificate or permission of the instructor.

This course is designed for the EMS student, teaching the fundamentals of recognizing infants and children that are at risk for cardiopulmonary arrest, including the strategies that are needed to prevent cardiopulmonary arrest in infants and children and the cognitive and psychomotor skills needed to resuscitate and stabilize infants and children in respiratory failure, shock, or cardiopulmonary arrest.

**+##EMS2934, Special Topics: Advanced Medical Life Support**

**16 hrs., 1 cr.**

**\$15.00 lab fee**

Prerequisite: EMT certificate or permission of instructor.

This course is designed for the EMS student, providing the EMS student with a better understanding of the pathophysiology of disease processes. This course incorporates lecture with scenario-based and case-based learning that reinforces current concepts of emergency care for shock, chest pain, altered mental status and respiratory emergencies.

**ENC – ENGLISH COMPOSITION**

**College Preparatory English**

The following are developmental courses not intended to satisfy any part of the college-level English requirements and not counted as part of the required hours for graduation. A minimum grade of "C" is required to progress to the next course.

**\*ENC0022, Developmental Writing I and II Combined**  
**4 hrs., 3 crs.**

**\$5.00 lab fee**

(Offered fall, spring, and summer).

Prerequisite: Option for students who score below the prescribed state levels on the placement test for ENC1101 or ENC1101C.

Must be passed with minimum grade of "C."

This course is a developmental course that is not intended to satisfy any part of college-level English requirements and not counted as part of the required hours for graduation. A study of the elements of standard English grammar, mechanics, and usage. Writing from the paragraph to the essay; introduction to expressive, expository, and persuasive writing; and introduction to research techniques.

**College-Level English**

The Associate in Arts degree requires that six credit hours of college-level English be completed with a minimum grade of "C." It is required that prerequisite English or reading courses for entry into college-level English be completed with a minimum grade of "C" or that students earn a passing score on the Florida College Entry-Level Placement Test in English and reading.

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\*Minimum grade of "C" required.

**•\*ENC1101, English Composition I****3 hrs., 3 crs., \$5.00 lab fee**

(Offered fall, spring, and summer).

Prerequisite: Successful completion of developmental courses, appropriate placement test scores or meet state exemption requirement.

This course introduces students to rhetorical concepts and audience-centered approaches to writing including composing processes, language conventions and style, and critical analysis and engagement with written texts and other forms of communication. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**•\*ENC1101C, Enhanced English Composition I****5 hrs., 4 crs.****\$5.00 lab fee**

(Offered fall, spring, and summer).

Prerequisite: Successful completion of developmental courses, appropriate placement test scores or meet state exemption requirement.

This course introduces students to rhetorical concepts and audience-centered approaches to writing including composing processes, language conventions and style, and critical analysis and engagement with written texts and other forms of communication. In addition to containing the same course content as the lecture/discussion format of ENC 1101, this course incorporates one credit hour of lab instruction with enhanced learning support in grammar and composition skills. This additional support includes but is not limited to student-teacher writing conferences, writers' workshops, peer review sessions, supplemental mini-lectures, and practice and review of the conventions of Edited American English. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**+\*ENC1102, English Composition II****3 hrs., 3 crs.****\$5.00 lab fee**

(Offered fall, spring, and summer).

Prerequisite: ENC1101 with a minimum grade of "C."

Rhetoric of the argumentative essay and the documented paper. Compositions based on readings of fiction, non-fiction, poetry, film, and other media. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**+\*ENC2210, Technical Writing****3 hrs., 3 crs.** (Offered spring).

Prerequisite: ENC 1101 with a minimum grade of "C."

Applies written and oral English skills to technical communication assignments, such as definitions, object or mechanism descriptions, process descriptions, instructions, analyses, proposals, memoranda, feasibility, laboratory, and technology research reports and resumes. Emphasizes clarity, objectivity, simplicity, and readability by multiple audiences. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**+\*ENC2301, 2302, Supplementary Composition Skills****1 hr., 1 cr. each**

(Offered fall, spring, and summer).

Prerequisite: CLEP credit for General Education English or ENC 1102 with a minimum grade of "C."

Expository and argumentative writing for students (a) who have earned CLEP credit for General Education English or Areas II or III Humanities but still need to fulfill the writing requirements of the institution or (b) who have completed ENC 1101 and ENC 1102 with a minimum grade of "C" and want to develop their writing skills. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**ENG – ENGLISH: GENERAL****+\*ENG2111, Literature and Film****3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: ENC1102 with a minimum grade of "C."

(Meets Literature Humanities requirement.)

A study of literature and its film adaptations, comparing written and cinematic narrative forms, writing elements, and film composition techniques. Readings will include selections from the Western canon. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

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**ENL – ENGLISH LITERATURE****+\*ENL2012, English Literature Through the Eighteenth Century****3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: ENC1102 with a minimum grade of "C."  
(Meets Literature Humanities requirement.)

A study of influential authors, historical and cultural contexts, and literary movements, forms, and themes of English literature from its beginning to the end of the eighteenth century. Readings will include selections from the Western canon. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**+\*ENL2022, English Literature: Romanticism to Present****3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: ENC1102 with a minimum grade of "C."  
(Meets Literature Humanities requirement.)

A study of influential authors, historical and cultural contexts, and literary movements, forms, and themes of English literature from the nineteenth century to the present. Readings will include selections from the Western canon. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**ENT – ENTREPRENEURSHIP****+ENT2000, Introduction to Entrepreneurship****3 hrs., 3 crs.**

(Offered fall and summer).

Prerequisite: ENC1101 with a minimum grade of "C."

This course provides an overview and practical applications of the various activities involved in owning and operating a small business enterprise.

**ENT3003, Principles of Corporate Entrepreneurship****3 hrs., 3 crs.**

(Offered fall).

This course provides an overview of the multiple elements associated with corporate entrepreneurship. This course introduces the four main models to establish a corporate entrepreneurship strategy. There will be an exploration about building new business inside established firms, starting new lines of business or new product units, managing spinoffs, or creating joint ventures, and establishing processes to support these efforts.

**ESC – EARTH SCIENCE****•ESC2000, Earth and Space Science Survey****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Using the scientific method, critical thinking skills, data analysis, this course will examine the fundamental processes of the earth system, composed of an atmosphere, hydrosphere, lithosphere, biosphere, and exosphere, through time. The course will also explore interactions between these spheres, including critical analysis of scientific theories and emphasize earth's connections with humans.

**ETD – ENGINEERING TECHNOLOGY: DRAFTING****#ETD1320C, Introduction to CAD****4 hrs., 3 crs.**

(Offered fall).

Introduction to interactive graphics, description of CAD systems, advantages, applications, and operational skills with emphasis on developing a database.

**#ETD2364C, Introduction to Solidworks****4 hrs., 3 crs.**

This course is an introduction to the new designing techniques and capabilities of solid modeling using the SolidWorks software. Topics include the integration of advance parametric solid modeling drawing tools into SolidWorks.

**+ #ETD2368C, Advanced Solidworks****4 hrs., 3 crs.**

Prerequisite: ETD2364C.

This course presents the advanced use of new designing techniques and capabilities of solid modeling using the SolidWorks software, including the integration of the advanced parametric modeling and drawing tools for SolidWorks. The course topics to be covered include advanced 3D sketching, advanced work planes, advanced assembly construction, bottom up and top down, part configuration, Solid Works Tool Box applications, concept of mold design, and creation of sheet metal parts and assemblies.

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**+#ETD2371C, Introduction to 3D Printing****4 hrs., 3 crs.****\$58.00 lab fee**

(Offered fall).

Prerequisite: \*ETD1320C.

This course provides an introduction to the world of 3D printing and scanning. Using knowledge of CADD software to create and export STL files, students will bring their digital work to life. Each student will become familiar with the interface and preparation of multiple three-dimensional printers. The class will also learn and present on how various industries are using this technology.

**+#ETD2372C, Advanced Rapid Prototyping****4 hrs., 3 crs.****\$74.00 lab fee**

(Offered spring).

Prerequisite: ETD2371C.

This course builds upon ETD2371C with more advanced project applications. Students will explore simulation and design analysis of rapid prototyping and learn the relationships of physical prototyping to the design industry by examining case studies. When available, field trips to local manufacturing facilities will expose the students to current industry practices and the latest technologies. Several problem-solving projects will test their creativity, design abilities and 3D printing skills. The class environment will foster a design community providing feedback and critique from classmates. Students will receive a refresher on different physical and digital interfaces using a variety of 3D printers and scanners.

**+#ETD2383C, Intermediate CAD/CAE/CAM****4 hrs., 3 crs.**

(Offered spring).

Prerequisite: \*ETD1320C.

This course is a continuation of ETD1320C, Introduction to CAD. Advanced design concepts along with the application of generative design, rendering, animation and simulation with an introduction to CAM, computer aided manufacturing. The student will learn to create 2D models for laser engraving/cutting, waterjet and CNC plasma cutting.

**+#ETD2384C, Advanced CAD/CAE/CAM****4 hrs., 3 crs.**

(Offered fall).

Prerequisite: \*ETD1320C, \*ETD2383C.

This course is a continuation of ETD2383C, Intermediate CAD/CAE/CAM. The student will learn to develop models

for outputting G code for use with CNC controlled machines.

**ETI – ENGINEERING TECHNOLOGY: INDUSTRIAL****#ETI1420, Manufacturing Processes****3 hrs., 3 crs.****\$84.00 lab fee**

(Offered spring).

A study of methods, materials, and machines used in industrial production processes, including but not limited to machining, casting, forging, welding, sheetmetal, and additive manufacturing.

**#ETI1701, Industrial Safety****3 hrs., 3 crs.**

(Offered fall).

This course focuses on the theories and principles of occupational safety and health in a practical and useful real world job related setting. The major topics include the Occupational Safety and Health Administration (OSHA) compliance, safety standards, code enforcement, ergonomic hazards, mechanical hazards, falling, lifting, electrical hazards, fire hazards, industrial hygiene, radiation, noise, emergencies, and environmental safety.

**#ETI1949, Manufacturing Internship****50 hrs., 1 cr.**

(Offered fall and spring).

This course is a structured and supervised internship for students in the Engineering Technology program of study. On-the-job experience will be integrated with scheduled class meetings to review and compare work experiences with respect to workplace skills and technical expectations.

**#ETI2001C, Applied Mechanics****4 hrs., 3 crs.**

(Offered fall).

This course takes a hands-on approach to the identification, use, care of tools, equipment, blueprint reading, geometric dimensioning, and tolerances used in all aspects of operations and manufacturing.

**#ETI2110, Introduction to Quality Assurance****3 hrs., 3 crs.**

(Offered spring).

This course defines the role of quality in an industrial environment. Topics include the use of quality management techniques and quality philosophies, process

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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 method of analyzing data through statistical process control (SPC) charts is also covered.

**#ETI2460C, Composites Fundamentals**

**4 hrs., 3 crs.**

**\$177.00 lab fee**

(Offered fall).

This course introduces the student to the theory/ materials/ and basic manufacturing processes of composites. This course focuses on basic composite theory/ including fiber reinforcements/matrix systems/ fabrication techniques/ and safety.

**+#ETI2464C, Advanced Composites**

**4 hrs., 3 crs.**

**\$189.00 lab fee**

Prerequisite: ETI2460C.

This course introduces the student to common core materials used in composites manufacturing and to the inspection and repair of composites structures. This course focuses on basic inspection and repair theory, including damage detections and repair instructions.

**+#ETI2622, Concepts of Lean Six Sigma Manufacturing**

**3 hrs., 3 crs.**

This course is an overview of lean Six Sigma initiatives. Students will learn the value of using data to identify and eliminate process problems. Various projects will require students to redefine roles and procedures within a group in order to continuously generate the results wanted. This course is not a certification course, but a summary of the components of a Lean Six Sigma program.

**ETP - ENGINEERING TECHNOLOGY: POWER**

**+#ETP1410C, Solar Energy**

**4 hrs., 3 crs.**

Prerequisite: \*EET1084C.

This course provides students with the basic principles of photovoltaic and solar heating systems design and installation. The course will discuss evolving policies, technologies and career areas. Students will analyze a site or location and evaluate it for solar applications and be able to describe passive heating and cooling building designs; design a solar water heating system, a solar cooking device, and a solar energy efficiency mode; and diagram a solar thermal electric system, analyze solar

manufacturing issues including equipment evaluation and types of collectors and filters; create a cost analysis for a solar powered project; and complete a solar energy project.

**#ETP1500, Alternative Energy Inventory & Analysis**

**3 hrs., 3 crs.**

(Offered fall).

This course provides students with basic principles of: conversion of energy into electricity; the requirements and conditions of power electronics converters; economics and trading of green electricity. The course will discuss evolving alternative energy policies, technologies and career areas. Alternative Energy and Analysis provides a global vision of available and potential energy sources, discusses their particular advantages and drawbacks, and helps prepare current and future generations to use energy differently and exploit new energy sources.

**#ETP1501, Introduction to Energy, Environment, and Society**

**3 hrs., 3 crs.**

(Offered spring).

This course provides students with the basic principles and history of traditional and alternative energy sources; current industry and government status of geothermal, wind, solar, biomass, fuel cells and other traditional energy sources. The course will discuss evolving alternative energy policies, technologies, and career areas.

**+#ETP1510, Biofuels and Biomass**

**3 hrs., 3 crs.**

Prerequisite: ETP1500.

This course provides students with the basic principles of Biofuels and Biomass systems design and installation. Students in this course will identify biofuels and biomass fuel sources (organic matter); describe biofuels and biomass technologies, applications and efficiency; analyze biofuels and biomass manufacturing, distribution and integration issues; evaluate biogas and its sources and site location; design a biofuels and biomass system and its related components; and identify various microturbines and their components.

**ETS – ENGINEERING TECHNOLOGY: SPECIALTY**

**#ETS1603, Introduction to Robotics**

**3 hrs., 3 crs.**

This course introduces the student to robotics and defines the uses in the computer integrated manufacturing

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industry. Various topics cover robotic classifications, applications, socioeconomic impact, work-cell design, and the different software packages for programming different manufacturers robots, plus I/O and sensor interfacing with class projects centered on a CIM work-cell. This course provides experiences in programming an industrial robot for applications ranging from assembly applications involving the interfacing and control for clamping, parts feeding, index table control, conveyor integration, and fault detection. A host computer will be integrated into the factory lab for just in time and flexible manufacturing for students manufacturing a product. Students gain operating and troubleshooting experience, plus application engineering and systems integration experience on dedicated machinery and assembly robots.

**+#ETS2511C, Motor and Motion Control**  
**4 hrs., 3 crs.**

(Offered fall).

Prerequisite: ETS2542C.

This course provides experiences with electro-mechanical devices such as relays, timers, counters, proximity sensors, photo sensors, and solid state relays for control applications. Motors and motor control circuits using motor starters and variable frequency drives (VFDs) controlled by programmable logic controllers (PLCs) are developed for various control applications. Motion control is developed using Allen-Bradley servo drives controlled by AB Control Logix and RSLOGIX 5000 software.

**+#ETS2535C, Process Control and Instrumentation**  
**4 hrs., 3 crs.**

(Offered spring).

Prerequisite: ETS2542C.

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, and digital set point and with analog processing, and P.I.D. control. The Allen-Bradley PLC 1500 PLC processors will be used as the process controllers with a process control trainer to design, construct, interface, program, and troubleshoot control circuits and systems. The process software for the course will be the Allen-Bradley RSLOGIX 5/500 and RSVIEW32 Human Machine Interface.

**+#ETS2542C, Programmable Logic Controllers**  
**4 hrs., 3 crs.**

(Offered spring).

Prerequisite: EET1084C.

This course covers the applications, servicing and troubleshooting of programmable logic controller circuits. The Allen-Bradley PLC processor with RSLOGIX software is applied to control applications involving rung programming, sequencers, timers, counters, data manipulations, instructions, math instructions, file-to-file moves, and communications using A/B Data Highway. Laboratory experiences include the design and troubleshooting of ladder logic programs with interfacing to hydraulics, pneumatics, and electrical sensors such as relays, limit switches, photo sensors, proximity detectors, pressure switches, solenoid valves, and a pneumatic pick-and place robot for industrial purposes.

**+#ETS2604, Robotics Applications**  
**1 hr., 1 cr.**

Prerequisite: ETS1603.

Corequisite: ETS2604L.

This course is designed to introduce students to the basic principles of robots including classification, operation, maintenance, troubleshooting and applications in the robotics industry. Students use hands-on practices to become familiar with sections of a robotic system in corequisite course ETS2604L.

**+#ETS2604L, Robotics Applications Lab (Capstone)**  
**4 hrs., 2 crs.**

Prerequisite: ETS1603.

Corequisite: ETS2604.

Laboratory work designed to practice and reinforce basic principles of robotics technology learned in the corequisite course, ETS2604 including: classification, operation, maintenance, and troubleshooting in the robotics industry. Students use hands-on practices to become familiar with various sections of a robotic system.

**+#ETS2606C, Robotics**  
**4 hrs., 3 crs.**

**\$101.00 lab fee**

(Offered spring).

Prerequisite: ETS2542C.

Types of robots will be studied, such as servo point-to-point, non-servo pick and place, Cartesian, lead through teach, stepper control, pneumatic PLC control, etc. Robot programming, interfacing, and design of robotic workcells for industrial applications will be developed. A study of robot configurations, programming techniques for applications found in assembly, inspections, welding, painting, and in material handling applications.

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Lab experiences will be developed with the industrial robot, including a vision system for assembly applications.

**+ETS2700C, Electro-Hydraulics and Pneumatics**

**4 hrs., 3 crs.**

**\$26.00 lab fee**

(Offered fall).

Prerequisite: ETS2542C.

This course covers hydraulic and pneumatic applications as found in industrial control applications. Content includes basic physical laws, properties of fluids, hydraulic pumps, circuit design/applications, deceleration/braking of hydraulic actuators, fluid filtration in hydraulic circuits, and troubleshooting. This course covers pneumatic applications as found in industrial control systems.

Content includes basic physical laws, pressure and force, air compressors, control valves, actuators, sequencing and counterbalance circuits, and troubleshooting.

**#ETS2931, Special Projects in Computer Integrated Manufacturing**

**2 hrs., 2 crs.**

(Offered fall and spring).

Course centering around topics of current interest or of special interest to students or instructors. Students have the opportunity to research, design, and prototype new projects. Topics or focus may vary from semester to semester. The course can be repeated up to two times.

**EUH – EUROPEAN HISTORY**

**EUH1000, Western Civilization I**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

The course explores the major political, economic, social, religious, and cultural aspects of Western Civilization from antiquity through the Early Modern Period. Topics include Ancient Mesopotamia, Egypt, Greece, Rome, Byzantium, the Islamic Empire, the Middle Ages, the Renaissance, the Protestant Reformation, and the Commercial Revolution. (Students are advised to take either WOH2012/2022 or EUH1000/1001.)

**EUH1001, Western Civilization II**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

This course examines modern Western institutions from ca. 1600 to the present day. Topics include the modern state system, the Scientific Revolution, the Enlightenment, the French Revolution, Napoleon, the development of nationalism, democracy, socialism, industrialism,

imperialism, the Russian Revolution, the World Wars, and the contemporary world. (Students are advised to take either WOH2012/2022 or EUH1000/1001.)

**EVR – ENVIRONMENTAL STUDIES**

**•EVR1001, Introduction to Environmental Science**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

This course is a survey of basic chemical, biological, and physical principles of environmental science and their applications to environmental issues. This course is appropriate for students in a wide range of disciplines and programs.

**FFP – FIREFIGHTING & PROTECTION**

**+FFP0030, Firefighter 1**

**191 contact hrs., 6.4 vocational crs.**

**\$40.00 lab fee**

Prerequisite: Meet the State of Florida qualifications as defined in State Statute 633.412 Firefighters; qualifications for certification and Gulf Coast State College qualification pertaining to the fire science technology limited access program.

This course introduces the student to the skills and techniques used in firefighting. Classroom instruction includes a variety of fire related topics. Practical exercises and scenarios are included to enhance classroom instruction and skill development. Those who complete the course receive a state competency certificate as a volunteer firefighter upon successful completion of all Florida Bureau of Fire Standards and Training requirements.

**+FFP0031, Firefighter 2**

**301 contact hrs., 10.0 vocational crs.**

**\$17.00 lab fee**

Prerequisite: Meet the State of Florida qualifications as defined in State Statute 633.412 Firefighters; qualifications for certification and Gulf Coast State College qualification pertaining to the fire science technology limited access program.

This is a continuation course after Firefighter 1 and prepares the student for employment as a Florida certified firefighter. This course builds upon the skills and knowledge attained in Firefighter 1 and prepares students for mastery of the basic competencies required. After course completion, the student is eligible to take the certification examination given by the Florida Bureau of Fire Standards and Training.

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**+FFP0069, Firefighter Minimum Standards Capstone**  
**48 contact hrs., 1.5 vocational crs.**  
**\$22.00 lab fee**

Prerequisites: FFP0030 and FFP0031.

This course is designed to provide a comprehensive review of the subjects taught in the program prior to the State of Florida Firefighter Certification Examination. (Limited access: requires admission to the academy or special permission of the chair of Public Safety.)

**#FFP1301, Fire Stream Hydraulics**  
**3 hrs., 3 crs.**

A study of pertinent properties of water, distribution of pressures in dynamic and static systems, friction loss in hoses and pipes, and factors which influence it. Approximation methods for quick calculation are given, as well as the most technical computations. Effort is directed toward giving an understanding of how good fire streams are developed.

**+FFP1302, Fire Apparatus Operation**  
**3 hrs., 3 crs.**  
**\$26.00 lab fee**

Prerequisite: FFP1301 or approval of instructor.

The curriculum covers the laws, rules, and driving techniques for emergency vehicles, as well as a review of fire service hydraulics. Fire ground evolutions and a driving course make up the practical part of the course. The evolution portion of the course includes the use of pre-connected lines, tandem pumping, drafting, relays, and master streams. The student should have a basic understanding of fire stream hydraulics prior to entering this course. Students must bring gloves and proper attire for water pumping exercises.

**+FFP1505, Fire Prevention Practices**  
**3 hrs., 3 crs.**

Prerequisite: Basic fire science knowledge. Principles of prevention and investigation; fire hazards of various occupancies; fire codes; OSHA requirements for fire protection; surveying and mapping procedures; recognition of fire hazards; engineering a solution of the hazards; enforcement of the solution; public relations as affected by fire prevention and presentation of arson evidence.

**#FFP1510, Building and Fire Codes**  
**3 hrs., 3 crs.**

Comparison of national, state, and local building and fire codes emphasizing local laws and ordinances pertaining to building construction and design.

**#FFP1540, Private Fire Protection Systems I**  
**3 hrs., 3 crs.**

A study of fixed and portable systems for detecting, reporting, and extinguishing fires. Comparison is made between the value of detection and the value of automatic extinguishing systems. Study is made of the factors which influence the choice of one of several systems for a given occupancy and the value of each type system. Restoration after use and routine maintenance are stressed.

**#FFP1610, Fire Cause and Arson Detection**  
**3 hrs., 3 crs.**

Investigation of fires for determination of the source of ignition and first fuel, point of origin, direction and rate of spread, and whether the cause was accidental or illegal. Florida arson laws are studied along with procedures for ensuring the admissibility of any evidence found at the scene of the fires, including methods of questioning the witnesses, interviewing, interrogation, and case preparation with stress on recognition of cause and evidence.

**#FFP1702, Fundamentals of Fire and Emergency Services**  
**3 hrs., 3 crs.**

This course introduces the student to the firefighting profession and reinforces the need for continuous learning for career firefighters. Classroom instruction includes a variety of fire related topics about the firefighting profession. Practical exercises and scenarios are included to enhance classroom instruction and to utilize real world examples.

**+FFP1741, Fire Service Course Design**  
**3 hrs., 3 crs.**

Prerequisites: Certified fire fighter and basic fire science knowledge.

Emphasizes techniques that help a fire service instructor develop skills in curriculum development.

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**+#FFP2111, Fire Chemistry  
3 hrs., 3 crs.**

Prerequisite: Basic fire science or law enforcement knowledge.

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 chemical formulas of flammable and combustible substances, their bondings and separations, as well as the different chemical reactions related to fire and oxidation are covered. Particular emphasis is placed on the specific substance used by arsonists to ignite and accelerate burnings. NOTE: Part of HazMat Tech, Fire Investigator I, Fire Inspector II, and Fire Officer II.

**+#FFP2120, Building Construction for the Fire Service  
3 hrs., 3 crs.**

Prerequisite: Work experience as paid or volunteer firefighter.

The study of problems of building fires; structural fire elements; fire resistance; surface finishes; fire spread by windows, air conditioning, building elements, and nonstructural elements.

**#FFP2521, Blueprint Reading and Plans Examination  
3 hrs., 3 crs.**

Preparation course of study for exam in blueprint reading and plans.

**#FFP2706, Public Information Officer  
3 hrs., 3 crs.**

A study of what public relations is and how a fire department can utilize positive public relations to benefit the organization and the public. This course describes the functions of a public relations officer along with the responsibilities the position holds.

**#FFP2720, Company Officer  
3 hrs., 3 crs.**

Broad concepts of supervision and leadership; analysis of the kinds of effective leadership needed in the fire sciences; supervising in high stress conditions; use of case studies and individual goal-setting.

**#FFP2740, Fire Service Course Delivery  
3 hrs., 3 crs.**

Principles, procedures, and techniques of teaching with emphasis on methods of instruction, developing training outlines, use of visual aids, and testing procedures of fire science instructors.

**+#FFP2770, Ethical and Legal Issues for the Fire Service  
3 hrs., 3 crs.**

Prerequisite: Basic fire science knowledge.

A study of the entire spectrum of issues facing today's fire service leaders. Topics include: labor relations, human rights and diversity; conflicts of interest and frameworks for ethical decision making.

**#FFP2810, Firefighting Strategy & Tactics I  
3 hrs., 3 crs.**

A study of multiple company operations, logistics, strategy, use of mutual aid forces, and conflagration control. Intended for high-ranking officers who may be in command of major fires and other emergencies involving close coordination and maximum use of large amounts of manpower and equipment. Typical tactical situations and case histories will be given.

**+#FFP2811, Firefighting Tactics and Strategy II  
3 hrs., 3 crs.**

Prerequisites: Certified fire fighter, basic fire science knowledge, and FFP1810 or FFP2810.

A study of action plans, command and control, safety, building dynamics, sprinkler operations, fire company operations, and various types of fires. An advanced study intended for higher ranking officers using state or locally provided scenarios.

**FIN - FINANCE****FIN1100, Personal Finance  
3 hrs., 3 crs.**

(Offered fall and spring).

An introductory course in personal finance. This course will include a study of personal financial planning, sources of credit, home ownership, investment strategies, and personal insurance options.

**FIN3400, Financial Management  
3 hrs., 3 crs.**

(Offered fall).

This course explores methods of deriving information from financial statements, including both published documents and privately prepared reports that would be of interest to lenders and investors. Extensive use is made of computer assisted financial planning and forecasting models.

**+FIN4470, Entrepreneurial Finance  
3 hrs., 3 crs.**

(Offered spring).

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\*Minimum grade of "C" required.

Prerequisite: FIN3400.

This course enhances the financing skills required for the successful entrepreneur. This course provides the essential tools and knowledge needed to build a solid financial foundation for a profitable business. It will provide students with the finance and business strategies for an entrepreneurial venture.

### FOREIGN LANGUAGES

See Spanish

To enter a state university, students must meet foreign language requirements in one of the following ways:

- A. Two credits (years) of one foreign language or, for some institutions, American sign language in high school
- B. 8-10 semester hours credit of one foreign language or, for some institutions, American sign language in college.
- C. Satisfactory score on the CLEP examination.
- D. Satisfactory score on the MAPS Latin examination
- E. Demonstrated competency by examination in a foreign language other than those examinations identified above or, for some institutions, in American sign language, with the standards and methods for determining competence to be identified by the admitting university.

Students who plan to transfer to a state university but do not meet the foreign language requirements should complete the requirement at the community college. Students who meet one of the two criteria below may be admitted to a state university as an exception to the foreign language admissions requirement but must take 8-10 credits of one foreign language at the university or community college prior to graduation:

- A. Students who earned an Associate in Arts degree before September 1, 1989.
- B. Students who enrolled before August 1, 1989, in a program leading to an associate degree from a Florida community college and maintain continuous enrollment (one course each 12-month period beginning with the students' first enrollment and continuing until enrollment in a university).

### FOS – FOOD SCIENCE

#### #FOS2201, Food Service Sanitation and Safety

**2 hrs., 2 crs.**

(Offered fall and spring).

Designed to develop an understanding of the basic principles of sanitation and safety in order to maintain a safe and healthy environment for the consumer in the food industry. Includes the laws and regulations related to safety, fire, and sanitation and adherence to them in the food service operation.

### FSS – FOOD SERVICE SYSTEMS

#### +#FSS1063C, Food Specialties: Baking

**7 hrs., 3 crs.**

**\$77.00 lab fee**

(Offered fall).

Corequisites: FOS2201, FSS1202C.

Fundamentals of baking which involve preparation of yeast rolls, breads, pies, cakes, cookies, tarts, doughnuts, holiday specialties, and tortes. Proper use and care for equipment, sanitation and hygienic work habits, and conformation with health laws.

#### #FSS1105, Food Purchasing

**3 hrs., 3 crs.**

(Offered spring).

Principles of menu planning for various types of facilities and service as well as menu layout, selection and development, and pricing structures. Principles and practices concerned with the purchase and receipt of food, supplies, and equipment for various food service operations.

#### +#FSS1202C, Basic Food Preparation

**8 hrs., 4 crs.**

**\$276.00 lab fee**

(Offered fall).

Corequisite: FOS2201, FSS1063C.

Familiarization with tools, equipment, and organization of classical kitchen. Study of basic food recipes, ingredients, cooking theories, terminology, technology, formulas, and procedures. Student learns basic meat fabrication through lecture and hands-on experience/demonstration.

#### +#FSS1222C, Kitchen Management

**7.5 hrs., 3 crs.**

**\$223.00 lab fee**

(Offered spring).

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Prerequisite: \*FOS2201, \*FSS1202C, \*FSS1063C.

Corequisite: HFT1265C.

This course is a continuation of Basic Food Preparation, providing intermediate instruction in quantity food preparation with an emphasis on refining techniques. Skills are applied to banquet and catering production, menu planning, international cuisine, and specialty baking.

**+#FSS1248L, Food Specialties: Garde Manger**

**4 hrs., 3 crs.**

**\$236.00 lab fee**

(Offered spring).

Prerequisites: FSS1063C, FSS1202C, FOS2201,.

Stresses basic garde manger principles as well as a thorough understanding of the functions and duties of the department as it relates and integrates into other kitchen operations. Specific focus on specialty work, including ice carving, buffet decorations, artistic centerpieces, and understanding of equipment and area planning.

**+#FSS1942, Culinary Externship**

**1 hr., 1 cr.**

(Offered fall and spring).

Prerequisites: Permission of instructor.

Coordinated work-study reinforcing the educational and professional growth of the student through parallel involvement in classroom studies and field experience.

**+#FSS2065L, Food Specialties: Pastry Specialization**

**4 hrs., 3 crs.**

**\$147.00 lab fee**

(Offered fall).

Prerequisites: FOS2201, FSS1202C, FSS1063C.

Students will work in a controlled environment and specialize in advanced procedures of pastry baking and dessert preparation and presentation. Emphasis is placed on decorative work and display pieces. An understanding of pastry decoration, sugar cooking, Pastillage, chocolate, and bread decoration is provided.

**+#FSS2224L, Advanced Food Preparation**

**8 hrs., 3 crs.**

**\$292.00 lab fee**

(Offered spring).

Prerequisite: FSS2240L, HFT2264C.

Prerequisite or Corequisite: HFT2840C.

Meal and service planning, including preparation of a complete menu for a service dining room to include appetizers, soup, salad, entree, vegetables, dessert, and cheese and fruit. Production coordinated with dining room

staff. Students will rotate and work the classical brigade stations in the kitchen.

**+#FSS2240L, Food Specialties: Cuisines of the World**

**7 hrs., 3 crs.**

**\$272.00 lab fee**

(Offered fall).

Prerequisites: FSS1222C, HFT1265C.

Corequisite: HFT2264C.

Study and preparation of popular international cuisines. History studied along with actual preparation of many international recipes. Includes buffet and banquet kitchen procedures.

**+#FSS2380, Culinary Management Practicum I – Restaurant Management**

**6 hrs., 3 crs.**

Prerequisites: FSS1202C, FOS2201, FSS1063C.

Corequisite: FSS2381.

Through extensive hands-on experience, students will acquire the skills necessary to plan and prepare various meals utilizing cost control methods.

**+#FSS2381, Culinary Management Practicum II – Kitchen Management**

**7.5 hrs., 3 crs.**

Prerequisites: FSS1202C, FOS2201, FSS1063C.

Corequisite: FSS2380.

Through extensive hands-on experience, students will acquire the skills necessary to plan and prepare various meals utilizing cost control methods.

**GEA – GEOGRAPHY: REGIONAL AREAS**

**GEA1000, World Regional Geography**

**3 hrs., 3 crs.**

(Offered fall and spring).

This course provides a regional survey of the world's nations and people, how they interact with the natural environment, their role in the global system, and contemporary cultural, economic, and political issues.

**GEB – GENERAL BUSINESS**

**GEB1000, Business Career Strategies**

**1 hr., 1 cr.**

(Offered fall).

This course is designed to enable students to thrive in a competitive business environment. Students will learn business etiquette, alternative career pathways, personal

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financial management, and budgets. Students will perform self-reflective exercises to determine working and learning styles, research industry positions, learn basic job hunting skills and learn how to develop and present their work. Additionally, they will learn interviewing skills, attend meetings of professional organizations, and career development skills.

**+GEB3213, Business Communication for Professional Effectiveness**

**3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: Must be admitted to one of the BAS programs.

This course introduces students to essential writing and speaking communication skills, organizational strategies and formats used by successful business professionals. It provides opportunities for students to apply these skills in correspondence, research, reports and presentations that prepare them for effective job searches and productive careers.

**GEO – GEOGRAPHY: SYSTEMATIC**

**GEO1400, Human Geography**

**3 hrs., 3 crs.**

(Offered spring).

This course provides an introductory survey of geographic theories, issues, and applications by examining how people interact with each other socially, culturally, economically, politically, economically, across distances, scales, and the natural environment. Global contrasts between urban and rural habitation, local versus transnational trade, and regional uneven economic development will be emphasized.

**GIS – GEOGRAPHY: INFORMATION SCIENCE**

**\*GIS2030, Fundamentals of Remote Sensing**

**3 hrs., 3 crs.**

(Offered fall).

This course introduces basic concepts and fundamentals of remote sensing, image processing, and the global positioning system (GPS). The principles and processes involved in airphoto interpretation will be reviewed and examined. Image processing techniques will be reviewed from practical and mathematical points of view. The course is intended to provide the student with the background information necessary to successfully use

remotely sensed imagery and GPS in conjunction with GIS technology.

**\*GIS2030C, Fundamentals of Remote Sensing**

**4 hrs., 3 crs.**

(Offered fall).

This course introduces basic concepts and fundamentals of remote sensing, data processing, and the global positioning system (GPS). The principles and processes of orthophotography, LiDAR, sonar, thermography, and radio direction finding/analysis will be reviewed and examined. Additionally, students will be trained to use GIS tools to perform object and pixel-based recognition, and perform stockpile volume/mass analysis.

**\*GIS2040, Introduction to Geographic Information Systems**

**3 hrs., 3 crs.**

(Offered spring).

This course teaches fundamental concepts and techniques of geographic information systems (GIS). It covers basic concepts such as map projections, spatial data models, relational databases, spatial analysis, and visualization of spatially distributed data and phenomena. The applications of GIS are presented. Future issues for GIS and state-of-the-art technology are also discussed.

**\*GIS2040C, Introduction to Geographic Information Systems**

**4 hrs., 3 crs.**

(Offered spring).

This course teaches fundamental concepts and techniques of geographic information systems (GIS). It covers basic concepts such as basic geographic and cartographic concepts, GIS data accessibility, spatial data structures, basic spatial relationship analysis, and visualization of spatially distributed data and phenomena to solve practical problems.

**GLY – GEOLOGY**

**•GLY1010, Physical Geology**

**3 hrs., 3 crs.**

(Offered fall and spring).

Using the scientific method, critical thinking skills, data analysis, this course will examine the fundamental processes of the earth system, composed of an atmosphere, hydrosphere, cryosphere, lithosphere, biosphere, and exosphere through time. The course will

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also explore interactions between these spheres, including critical analysis of scientific theories and emphasize lithospheric connections with humanity.

### GRA – GRAPHIC ARTS

#### **GRA1100, Principles of Graphic Design**

**3 hrs., 3 crs.**

(Offered fall).

Students attending this course will be exposed to a hands-on introduction to the principles and techniques of graphic design for print and digital media covering print and digital production; resolution and size considerations; vector vs. raster formats; color theory and layout principles; typography; file formats, output, and management. Upon completion, students should be able to creatively produce graphic designs.

#### **GRA2151, Drawing Techniques for Digital Illustration**

**3 hrs., 3 crs.**

This course provides students with experiences in illustration and digital art techniques and the application of vector graphics in the field of graphic design. The content includes, but is not limited to: identification and investigation of Adobe Illustrator and/or Corel Draw consisting of lines and curves defined by mathematical objects called vectors. Identification and application of general methods for critical, aesthetic, and technical judgments relating to the uses of computer-generated illustrations for print, web, and multimedia designs. Also included is the history of graphic design and the application of computers to the graphic world.

#### **GRA2156, Computer Graphics for Digital Designers I**

**3 hrs., 3 crs.**

(Offered fall and spring).

Participants in this course will have an opportunity to explore the basic functions of Adobe Photoshop to create dynamic digital art in the field of Graphic Design. The course begins with the identification and investigation of the Principles and Elements of Design, moves to exploration of the role Photoshop and photo-editing plays in the graphic industry, and concludes with student design and completion of a comprehensive project.

#### **+GRA2157, Computer Graphics for Digital Designers II**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: GRA2156.

This course further develops the skills developed in GRA2156 in design, grid systems, advertising techniques,

and electronic publication by providing students with in-depth proficiency in design principles and vocabulary. With the Adobe Creative Suite, students learn advanced techniques in traditional graphic design and desktop publishing. The course emphasizes practical assignments that examine applied problem solving and professional solutions for graphic designers. Specific themes/topics for the course include visual perception, visual grouping and hierarchy and visual identity development.

### HCP – HEALTH-CARE PROVIDERS (ASSISTANTS)

#### **=\*HCP0124, Nursing Assistant**

**165 contact, 5.5 vocational crs.**

This 8-week course offers a sequence of classes and long term care clinical experiences, along with virtual training with simulation 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 Health Science 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 or Health Science career cluster. This program is designed to prepare students for employment as nursing assistants. The content includes but is not limited to interpersonal skills, medical terminology, legal and ethical responsibilities, safe and efficient work, gerontology, nutrition, pct-facilitated therapy, health and safety including Cardio-pulmonary Resuscitation (CPR) heart saver level, and employability skills.

### HFT – HOSPITALITY MANAGEMENT

#### **HFT1000, Introduction to the Hospitality Industry**

**3 hrs., 3 crs.**

(Offered fall and spring).

An introduction to the hotel-motel-restaurant business, departments, industry's responsibilities, business ethics, and opportunities for creative employment.

#### **#HFT1210, Leadership and Managerial Development**

**3 hrs., 3 crs.**

(Offered spring).

Explore and discuss various managerial styles and techniques as applied to planning, organization, staffing, directing, and controlling within hospitality business concepts. Basic skills and training to develop and

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understand examples of effective leadership qualities to motivate and improve staff performance, coaching, and working efficiently with peers, superiors, and subordinates.

#### **#HFT1254, Lodging Operations**

**3 hrs., 3 crs.**

(Offered fall).

This course introduces students to guest service operations and is designed for students interested in managing hotels, motels, resorts, and other related lodging businesses. The course provides students with practical knowledge of the concepts and procedures used in managing commercial lodging operations. Students are introduced to the rooming and guest service functions. The course includes the theories and principles of guest service management used in the lodging industry. The course gives students the opportunity to develop human relations and customer service skills. Operation of the various functions of the rooming department of a lodging operation are covered.

#### **+#HFT1265C, Restaurant Management**

**4 hrs., 3 crs.**

(Offered spring).

Prerequisites: \*FOS2201, \*FSS1202C, \*FSS1063C.

Corequisite: FSS1222C.

This course covers the basic principles of restaurant management. Topics include facility layout, supervision of personnel, labor and food cost control, selection, purchasing, legal considerations, as well as furniture and decor for restaurants and related institutions.

#### **#HFT1313, Hospitality Property Management**

**3 hrs., 3 crs.**

(Offered spring).

Overview of hospitality property management functions, including maintenance, utilities, security, parking, and recreation facilities.

#### **#HFT1600, Hospitality Law**

**3 hrs., 3 crs.**

(Offered fall).

A study of the laws impacting the hospitality industry. Topics include an introduction to law, court systems, civil rights law, employment law, contracts, torts, regulations governing the sale of food and alcohol, responsibility for guests' property, and legal rights of innkeepers and restaurateurs.

#### **#HFT1800, Food and Beverage Management**

**3 hrs., 3 crs.,** (Offered spring).

This course examines the field of food and beverage management within the hospitality industry, including bars, restaurants, cafeterias, hotels, and banquet halls. Students will develop foundational knowledge in key areas including food preparation, menu planning, customer relations, marketing, bartending and beverage management, and event management.

#### **#HFT1860, Beverage Management**

**3 hrs., 3 crs.**

(Offered spring).

A study of the three categories of alcoholic beverages: wine, beer, and spirits. Provides a strong foundation in beverage purchasing, receiving, storing, control, and sales needed by the professional beverage manager.

#### **+#HFT2264C, Banquet and Convention Management**

**6 hrs., 3 crs.**

(Offered fall).

Prerequisites: FSS1222C, HFT1265C.

Corequisite: FSS2240L.

Introduction to the complete set of skills necessary to adequately perform as a hotel banquet manager and convention planner. Actual functions will be used to reinforce the general rules of table service as they apply to buffets and banquets.

#### **#HFT2401, Hospitality Accounting and Financial Analysis**

**3 hrs., 3 crs.**

(Offered fall).

Basic understanding of financial accounting and specifically hospitality industry accounting concepts and procedures used in hotels, restaurants and clubs.

#### **#HFT2501, Hospitality Marketing**

**3 hrs., 3 crs.**

(Offered fall).

Provides students with basic knowledge and practical experience which will enable them to develop marketing and sales plans for hotel/motel/restaurant properties.

#### **#HFT2451, Cost Control and Purchasing**

**3 hrs., 3 crs.**

(Offered spring).

This course is an overview of the management system with an in-depth study in the control component of the management cycle. It will focus on the principles and procedures involved in an effective system of food,

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beverage, labor, and sales income control, as well as emphasize the development and use of standards and the calculation of actual costs.

**+#HFT2750, Convention Service and Management**  
**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: HFT1000.

Introduces students to the complete set of skills necessary to adequately perform as a hotel banquet manager and convention planner. Actual events will be used to reinforce the general rules of table service, booking functions, staffing banquets/conventions, and responsibilities of a host venue as they apply to buffets and banquets. Prepares students in trade show administration, meeting management and legal issues associated with banquets and conventions.

**+#HFT2840C, Dining Room Operations**  
**8 hrs., 3 crs.**

(Offered spring).

Prerequisites: FSS2240L, HFT2264C.

Corequisite: FSS2224L.

Types of dining room and beverage service techniques found in the hospitality industry.

**#HFT2867C, Wine Essentials**  
**3 hrs., 3 crs.**

**\$74.00 lab fee**

(Offered spring).

Prerequisite: Minimum age of 18 years.

This course is an introduction to the subject of wine for hospitality industry managers. Topics include the history of wine, winemaking, wine producing regions of the world, grape and wine varieties, wine tasting, wine and food pairing, and wine service. Classes include wine tasting labs that focus on developing sensory evaluation skills, and varietal identification.

**HLP – HEALTH/LEISURE/PHYSICAL EDUCATION**

**HLP1081, Wellness**  
**3 hrs., 2 crs.**

(Offered fall and spring).

This course is designed and organized so that students of all ages, interests, physical conditions, and activity levels will become more knowledgeable of appropriate wellness and lifestyle choices. Topics covered will include but not be limited to wellness, health, flexibility and strength, cardiovascular endurance, nutrition, weight control, stress, drug and alcohol use, and related issues. There will be a

lifetime recreation or lifetime fitness activity component as a part of each class. This course will count as an academic elective.

**HSA – HEALTH SERVICES ADMINISTRATION**

**+#HSA2182, Management for Health Care Providers**  
**2 hrs., 2 crs.**

Prerequisite: Currently enrolled in a Health Sciences Program or a licensed healthcare provider.

Directed towards assisting health careers students to understand the responsibilities of a leader/manager in health and how best to meet these responsibilities. Addresses principles of leadership and management, management theory, health care management, employee and time management, conflict resolution, computerization of health care, and legal concerns in management.

**HSA3113, Current Trends/Contemporary Issues in Healthcare**  
**3 hrs., 3 crs.**

(Offered fall).

The presentation of significant health care issues and their developing trends. Content may differ each time in order to be current with changing events of varying importance, such as aging, coping with dying, women's and minorities' roles in health, and patient privacy issues.

**HSA3553, Legal and Ethical Issues in Healthcare**  
**3 hrs., 3 crs.**

(Offered fall).

The principles and rules of law and how they relate to health care organizations and the ethical issues of consumers and providers of health care. The course also focuses on ethics and its principles and application in service settings. Contemporary issues confronting those delivering and using health care will be examined.

**HSA3700, Foundations of Research in Healthcare**  
**3 hrs., 3 crs.**

(Offered spring).

An introduction to research methods as applied to the healthcare field. In addition to the study of research methods and tools, students complete exercises in literature search, research report analysis covering research design and data analysis, and report writing.

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\*Minimum grade of "C" required.

**HSA4110, Healthcare Organization and Management  
3 hrs., 3 crs.**

(Offered spring).

This course will examine the conceptual framework of healthcare management with an emphasis on the process, functions, and roles that contribute to successful management. Facilities studied will include hospitals, ambulatory facilities, HMOs, and long-term care facilities.

**HSA4160, Strategic Planning and Marketing for  
Healthcare**

**3 hrs., 3 crs.**

(Offered fall).

An introduction to the basic concepts of planning and evaluation as the fundamental tools of program design and development. Opportunities for theoretical and practical applications in the use of basic techniques are developed through classroom exercises and class projects.

**+HSA4850, Capstone**

**90 hrs., 3 crs.**

(Offered summer).

Prerequisite: HSA3700 with a minimum grade of "C." Comprehensive and synthesizing project to apply the knowledge and skills learned in the program courses. Projects must have theoretical and applied components. The capstone project is taken in the student's final semester.

**HSC – HEALTH SCIENCES****+HSC1000, Orientation to Perioperative Services  
45 hrs., 3 crs.**

(Offered fall).

Corequisite: HSC1000L.

This course is designed to introduce the student to the health care delivery system including the facility organization, hierarchy of the systems, management, and physical environment and to provide an overview of the role and responsibilities of the perioperative health care team including the professions history, professional responsibilities, mental health/personal hygiene, communication, information technology, interpersonal skills, teamwork, employability skills, infection control, legal/ethical/moral issues, documentation, risk management, All-Hazards Preparation for Disasters, and the personal characteristics of the successful health care professional. Common illnesses will be discussed including discussions of the prevention of disease and promotion of wellness. Topics will also include the development of

patient care skills such as patient identification, assessment, the biopsychosocial needs of the patient, multicultural aspects, the special needs patients, monitoring of the patient's status, death and dying, institution of a plan of care, and emergency patient situations will be covered.

**+HSC1000L, Orientation to Perioperative Services Lab  
55 hrs., 1 cr.**

**\$259.00 lab fee**

(Offered fall).

Corequisite: HSC1000.

This course prepares the student for the surgical experience and includes OR attire, body mechanics, patient transfer, infection control, gown/glove, urinary catheterization, basic aseptic skills, surgical instruments, and vital signs. Includes 15 hours of clinical observation and orientation.

**HSC1004, Overview of Health Professions**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

This course is designed to assist students in planning and pursuit of their own career goals. Students will be provided with an introduction to the health care industry emphasizing the roles of the various health care professionals and the current trends in healthcare opportunities. The course investigates the wide variety of health care careers, focusing on the nature of the work, job descriptions, necessary abilities, legal and ethical responsibilities, and education preparation and credentialing. An opportunity to interface with health care professionals and explore one or more options in depth will be provided.

**HSC1403C, First Aid, Personal Safety, and Basic Life  
Support Techniques**

**3 hrs., 3 crs.**

**\$55.00 lab fee**

(Offered fall and spring).

A study of standards and accepted principles of first aid. Discussion and laboratory practice in dressings and bandages, wounds and their care, artificial respiration and cardiopulmonary resuscitation, poisons, fractures, burns, and transportation of the injured. This course will count as an academic elective.

**#HSC1531, Medical Terminology**

**2 hrs., 2 crs.**

(Offered fall, spring, and summer).

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Study of the language of medicine. Includes construction, analysis, spelling, application and pronunciation of medical terms and how they relate to the structure and function of the human body. Explores the use of medical words and abbreviations used in clinical procedures, pathophysiology and case histories.

**HSC2100, Personal and Community Health**  
**3 hrs., 3 crs.**

(Offered fall, spring, summer).

This course is designed to improve the quality of health, and to explore crucial health issues. This course encourages a more knowledgeable and proactive stance towards maintaining good health. This course will count as an academic elective.

**#\*HSC2520, Microbiology for Perioperative Services**  
**45 hrs., 3 crs.**

(Offered fall, spring, and summer).

Course prepares students for the practice of maintaining sterility. Topics include the history of microbiology, taxonomy, types, structure, and characteristics of microorganisms. The difference between prokaryote and eukaryote cells, structure and function, genetic implications, mutations, and the host/microbe relationships are discussed. The principles of chemistry, pH, electricity, and other factors that affect cells are discussed. Microscopy includes the application of microscopes, staining methods, culture media, interpretations, and culture and sensitivity tests. Microbial morphology, growth, metabolism, and transmission are discussed in some detail. Infection control methods are studied, as well as the infectious process, surgical site infections, and the human body's natural defenses. Various significant aspects of common infectious disease for each system, the immune response, principles of wound healing, and how chemotherapeutic agents assist in this task are discussed.

**HUM – HUMANITIES**

**•\*HUM2020, Introduction to Humanities**  
**3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: ENC1101 with a minimum grade of "C."

(Meets Philosophy/Religion Humanities requirement.)

In this course, students will learn about the creative ideas and accomplishments of various cultures in various fields of humanities that may include art, architecture, drama, history, music, literature, philosophy, and religion. The course will include cultural expressions from the Western

canon and may also include expressions from around the globe. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**HUN – HUMAN NUTRITION**

**#HUN1001, Survey of Nutrition**  
**2 hrs., 2 crs.**

(Offered fall and spring).

Relates nutrition to the hospitality industry by way of menu planning, studying nutritional deficiencies diseases, retention of nutrients, and the basic principles for today's society.

**HUN1201, Principles of Nutrition**  
**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Principles and controversies of nutrition with emphasis on the principal nutrients in foods and their utilization by the body as well as determining and meeting food needs for optimum health at different stages of the life span.

**IDH – INTERDISCIPLINARY HONORS**

**+IDH1905, Honors Research**  
**2 hrs., 1 cr.**

Prerequisite: Completion of one semester of Honors courses.

This course provides an opportunity to carry on a topic of special interest to the individual student. The student will initiate and conduct the research project in consultation with a designated faculty member.

**IDH1910, Directed Honors Research I**  
**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Permission of instructor.

This course allows students to work in a course setting with faculty on research projects. Students will be allowed to work on a project individually or as a group depending on the research project. All projects will be supervised by a faculty member. This course is intended to help students acquire the skills used in research including hypothesis testing, data collection, data analysis and reporting. Students will be expected to present their research findings once they have completed their projects.

**IDH1911, Directed Honors Research II**  
**3 hrs., 3 crs.**

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Prerequisite: Permission of instructor.

This course allows students to work in a course setting with faculty on research projects. Students will be allowed to work on a project individually or as a group depending on the research project. All projects will be supervised by a faculty member. This course is intended to help students acquire the skills used in research including hypothesis testing, data collection, data analysis and reporting. Students will be expected to present their research findings once they have completed their projects.

### **IDH2931, Honors Symposium**

**1 hr., 1 cr.**

(Offered fall and spring).

Centers around topics of current interest or special interest to students or instructor.

## **INR – INTERNATIONAL RELATIONS**

### **INR2002, International Relations**

**3 hrs., 3 crs.**

(Offered fall and spring).

This course provides an introduction to the nature of international relations, analysis of trends and international movements (nationalism, imperialism, militarism), armaments and developments in international organizations (governmental and nongovernmental). Principles and practices in foreign policy in the world today as well as historically will be examined.

## **ISM – INFORMATION SYSTEMS MANAGEMENT**

### **+ISM3013, Introduction to Management Information Systems**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: Must be admitted to the Technology Management BAS program.

The course introduces fundamental concepts and methods related to the management of information systems in organizations.

### **+ISM4154, Enterprise-wide System Implementation and Administration**

**3 hrs., 3 crs.**

(Offered summer).

Prerequisite: MAN3303, \*CTS1650.

This course will expose students to key aspects involved in the implementation and operation of the r/3 system, and

will provide the technical and conceptual foundation necessary for developing appropriate strategies and approaches for implementation and maintenance of an enterprise-wide system.

### **+ISM4302, Emerging Technologies**

**3 hrs., 3 crs.**

(Offered summer).

Prerequisites: MAN3303, CGS1570, COP1000, COP2700.

Corequisite: Permission of department chair.

This course covers emerging information and communication technologies that are changing the way the business is being operated in global economy. The students will be introduced to: the assessment and risk associated with emerging technologies, how to manage emerging technologies markets and analyze emerging markets case studies.

### **+ISM4318, Agile Project Management**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: CGS1103 or MAN2021.

This course will cover the knowledge of agile principles and improve skills with agile techniques. Students will explore many approaches to agile such as Serum, Kanban, Lean, extreme programming (XP) and test-driven development (TDD). A focus will be given to project management institutes (PMI) content domains for certification for agile practitioners, known as the PMI agile certified practitioner (PMI-ACP).

### **ISM4323, Network Security Management**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisites: CTS1120, CTS1111, ISM4330.

Information security in the modern organization is both a management and a technology issue. Course recognizes that technology alone cannot address all the security issues; prepares students for management and control of security of information systems in organizations; prepares students to make informed decisions regarding administration of information security infrastructure.

### **+ISM4330, Information Security Policy Administration and Management**

**3 hrs., 3 crs.**

(Offered summer).

Prerequisite: \*CTS1120.

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This course develops the information security knowledge and skills necessary for the successful management of information security technology in an organization. Students will understand an organization's information assets. Students will also learn how to develop and implement policies, procedures and standards as they relate to an information security plan. The course focuses on information classification, risk assessment, business continuity planning and enterprise security architecture, as well as the key concepts of enterprise information security planning and administration.

**+ISM4548, Web Analytics**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: \*DIG2100, \*MAN3303.

This course covers online data concepts and teaches students how to search, retrieve, visualize, and analyze online quality data from social networks and social media, website usage, and clickstream data. Students will also learn to use key metrics to assess goals and return on investment, and will perform social network analysis to identify key social actors, subgroups, and network properties in social media.

**+ISM4881, Technology Management Capstone Project**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Admission to Technology Management BAS Program or permission of instructor.

This course is the capstone class for Technology Management and it will be the opportunity for the student to demonstrate that he/she has assimilated the material from the program and can apply it in the real world. It focuses on giving the student practical, business-world experience in actual cases and companies dealing with technology management issues today.

**ISS – INTERDISCIPLINARY SOCIAL SCIENCES**

**ISS2930, Interdisciplinary Social Sciences**

**2 hrs., 2 crs.**

(Offered fall and spring).

This course centers on topics of current interest or of special interest to students or instructors. Topics or foci for the course may vary from semester to semester. (This course does not satisfy the social sciences requirement for the A.A. degree. Transfer of the credit is the prerogative of the receiving institution.) (This course may be repeated up to 3 times for credit.)

**LIN – LINGUISTICS**

**+LIN2004, Languages of the World**

**3 hrs., 3 crs.**

(Offered fall and spring).

This course provides a comprehensive overview of the more than 7,000 languages spoken worldwide. Students will explore the distinctions between languages and dialects, examining the factors that contribute to linguistic similarity and divergence. Students will develop a deeper understanding of the ways in which human language contributes to the study of the human brain. Additionally, the course will introduce key concepts and theoretical frameworks in linguistics, as well as the methodologies employed in linguistic analysis. Topics covered include endangered languages, language contact, language and culture, signed languages, and constructed languages.

**LIS – LIBRARY AND INFORMATION STUDIES**

**LIS2004, Research Strategies for College Students**

**1 hr., 1 cr.**

This course is designed to develop the skills needed to use the Internet as a research tool. The course focuses on methods of accessing relevant information resources through the Internet including books, journals, newspapers, government documents, deep Web media, and other research materials using online library catalogs and databases. Students will learn to create search strategies and retrieve, evaluate, and cite Internet resources.

**LIT – LITERATURE**

**•+\*LIT2000, Literature and Culture**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: ENC1102 with a minimum grade of "C."  
(Meets Literature Humanities requirement.)

In this course, students will be assigned readings representative of a broad range of literary genres and cultures. These readings will cover a variety of literary movements and historical eras. The readings will include selections from the Western Canon. Written analysis of literary works may be required. Students will be provided with opportunities to practice critical interpretation. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

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**+\*LIT2040, World Drama****3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: ENC1102 with a minimum grade of "C."

(Meets Literature Humanities requirement.)

Major dramatists and their works from ancient through the present with a focus on historical and cultural significance. Readings will include selections from the Western canon. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**+\*LIT2090, Contemporary Literature****3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: ENC1102 with a minimum grade of "C."

(Meets Literature Humanities requirement.)

Major writers, works, and literary movements after 1945 with a focus on the cultural significance of contemporary literature. Readings will include selections from the Western canon. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**+\*LIT2110, World Literature: Ancient through Renaissance****3 hrs., 3 crs.**

(Offered fall).

Prerequisite: ENC1102 with a minimum grade of "C."

(Meets Literature Humanities requirement.)

Major writers, literary trends, forms, themes, and the historical and cultural significance of world literature from the Ancient World through the Renaissance. Readings will include selections from the Western canon. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**+\*LIT2120, World Literature: Enlightenment to Present****3 hrs., 3 crs.**

(Offered spring).

Prerequisite: ENC1102 with a minimum grade of "C."

(Meets Literature Humanities requirement.)

Major writers, literary trends, forms, themes, and the historical and cultural significance of world literature from the Enlightenment to the present. Readings will include selections from the Western canon. This is a course for which students will produce extensive college-level writing

and which requires completion with a minimum grade of "C."

**+LIT2380, Women in Literature****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: ENC1102 with a minimum grade of "C."

Major works by women writers in a variety of literary forms with a focus on cultural and historical significance.

**MAC – MATHEMATICS – CALCULUS AND PRECALCULUS****College-Level Mathematics****Math Courses**

The Associate in Arts degree requires that six credit hours of the following mathematics courses be completed with a minimum grade of "C." It is required that all prerequisite mathematics courses be completed with a minimum grade of "C" or that students earn a passing score on the Florida College Entry-Level Placement Test.

**•+\*MAC1105, College Algebra****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Math placement test or minimum grade of

"C" in MAT1033. In this course, students will develop problem-solving skills, critical thinking, computational proficiency, and contextual fluency through the study of equations, functions, and their graphs. Emphasis will be placed on quadratic equations, exponential, and logarithmic functions. Topics will include solving equations and inequalities, definition and properties of a function, domain and range, transformations of graphs, operations on functions, composite and inverse functions, basic polynomial and rational functions, exponential and logarithmic functions, and applications. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator, they must see their instructor in advance for approval.

**+MAC1114, Plane Trigonometry****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Math placement test or minimum grade of "C" in MAC1105.

This course affords students a mastery of foundational mathematical and computation models and methods by

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applying such models and methods in problem solving. 1. Trigonometric functions, their properties and graphs 2. Inverse trigonometric functions, their properties and graphs 3. Trigonometric identities 4. Conditional trigonometric equations 5. Solutions of triangles 6. Vector algebra 7. Parametric equations 8. Polar coordinates. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator, they must see their instructor in advance for approval. NOTE: While MAC1114, Plane Trigonometry is not a prerequisite for MAC1140, Pre-Calculus Algebra, the math faculty at GCSC strongly suggest that you take MAC1140, Pre-Calculus before taking MAC1114, Plane Trigonometry.

**+MAC1140, Precalculus Algebra**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Math placement test or minimum grade of "C" in MAC1105. This course affords students a mastery of foundational mathematical and computation models and methods by applying such models and methods in problem solving. 1. Polynomial, rational, and other algebraic functions, their properties and graphs 2. Polynomial and rational inequalities 3. Exponential and logarithmic functions, their properties and graphs 4. Piecewise defined functions 5. Conic sections 6. Matrices and determinants 7. Sequences and series 8. Mathematical induction 9. Binomial theorem. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator they must see their instructor in advance for approval.

NOTE: While MAC1114, Plane Trigonometry is not a prerequisite for MAC1140, Pre-Calculus Algebra, the math faculty at GCSC strongly suggest that you take MAC1140, Pre-Calculus before taking MAC1114, Plane Trigonometry.

**+MAC2233, Calculus for Business and Social Science I**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Minimum grade of "C" in MAC1105.

This course affords students a mastery of foundational mathematical and computation models and methods by applying such models and methods in problem solving. 1. Limits 2. Differentiation of algebraic, logarithmic, and exponential functions 3. Introduction to integration with applications. 4. Applications to business and the social sciences. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator they must see their instructor in advance for approval.

**•+\*MAC2311, Calculus with Analytic Geometry I**

**4 hrs., 4 crs.**

(Offered fall, spring, and summer).

Prerequisite: Minimum grade of "C" in MAC1140 and MAC1114. Placing into MAC2311 by only placement test scores requires permission of the mathematics division chair. To receive permission, the student who has not successfully completed MAC1114 (Plane Trigonometry) must verify successful completion ("C" or higher) of a trigonometry course at the high school level or higher. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator they must see their instructor in advance for approval. In this course, students will develop problem solving skills, critical thinking, computational proficiency, and contextual fluency through the study of limits, derivatives, and definite and indefinite integrals of functions of one variable, including algebraic, exponential, logarithmic, and trigonometric functions, and applications. Topics will include limits, continuity, differentiation and rates of change, optimization, curve sketching, and introduction to integration and area.

NOTE: For the Calculus sequence, the math faculty at GCSC strongly advise that students complete the entire sequence at a single institution. Course content may vary depending on the institutions. Completing the sequence assures that no content is lost in transfer.

**+MAC2312, Calculus with Analytic Geometry II**

**4 hrs., 4 crs.**

(Offered fall and spring).

Prerequisite: Minimum grade of "C" in MAC2311. This course affords students a mastery of foundational mathematical and computation models and methods by applying such models and methods in problem solving. 1. Review of functions 2. Limits and continuity 3. The derivative 4. Differentiation of algebraic functions 5. Differentiation of transcendental functions 6. Mean-value theorem and intermediate value theorem 7. Extrema and graph sketching 8. Area and the definite integral 9. Antidifferentiation 10. Fundamental theorem 11. Inverse functions 12. Arc length 13. Techniques of integration 14. Parametric equations and polar coordinates 15. Taylor's formula, infinite sequences and series 16. Vectors in the plane and 3-space 17. Topics from plane and solid analytic geometry 18. Directional derivatives and curvature 19. Differential calculus of functions of several variables 20. Multiple integration. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to

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use any other calculator they must see their instructor in advance for approval. NOTE: For the Calculus sequence, the math faculty at GCSC strongly advise that students complete the entire sequence at a single institution. Course content may vary depending on the institutions. Completing the sequence assures that no content is lost in transfer.

**+MAC2313, Calculus with Analytic Geometry III**  
**4 hrs., 4 crs.**

(Offered fall and spring).

Prerequisite: Minimum grade of "C" in MAC2312. This course affords students a mastery of foundational mathematical and computation models and methods by applying such models and methods in problem solving. 1. Review of functions 2. Limits and continuity 3. The derivative 4. Differentiation of algebraic functions 5. Differentiation of transcendental functions 6. Mean-value theorem and intermediate value theorem 7. Extrema and graph sketching 8. Area and the definite integral 9. Antidifferentiation 10. Fundamental theorem 11. Inverse functions 12. Arc length 13. Techniques of integration 14. Parametric equations and polar coordinates 15. Taylor's formula, infinite sequences and series 16. Vectors in the plane and 3-space 17. Topics from plane and solid analytic geometry 18. Directional derivatives and curvature 19. Differential calculus of functions of several variables 20. Multiple integration. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator they must see their instructor in advance for approval.

**MAN – MANAGEMENT**

**MAN1300, Introduction to Human Resource Management**  
**3 hrs., 3 crs.**

(Offered spring).

This course serves as an overview of the field of human resources management. Theories and practices related to human resources management will be explored. The role of the human resources department will be emphasized, with particular attention focused on supervision, training, and customer service. Topics will include hiring and termination decisions, understanding of applicable federal and state employment legislation, labor relations, employee discipline, performance appraisals, wages, and benefits.

**MAN2021, Principles of Management**  
**3 hrs., 3 crs.,** (Offered fall and spring).

Fundamentals of management underlying the solutions of problems of organization and operation of business enterprises covering the management process of planning, organizing, directing, and controlling.

**MAN2160, Foundations of Leadership**  
**3 hrs., 3 crs.**

(Offered fall and spring).

This course will emphasize the leadership function of management. The course gives attention to research findings about leadership, the practice of leadership, and skill development. The course will focus on the visionary and direction-setting aspect of leadership.

**+MAN2500, Operations Management**  
**3 hrs., 3 crs.**

Prerequisite: STA2023.

(Offered fall).

This course introduces students to operations management techniques including their application to functional areas of the business enterprise and operations control.

**+MAN2930, Special Topics in Management**  
**3 hrs., 3 crs.**

(Offered as needed).

Prerequisite: Permission of instructor.

Course centering around topics of current interest or of special interest to students or instructors. Topics may vary from semester to semester. Course will provide the opportunity for students to demonstrate their mastery of the material learned from the program. It should be taken during the student's last semester.

**MAN3240, Applied Organizational Behavior**  
**3 hrs., 3 crs.**

(Offered fall).

Behavioral concepts, techniques, and applications for managing human resources in all types of organizations.

**+MAN3303, Principles of Management and Leadership**  
**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite:

Must be admitted to one of the BAS programs.

This course presents the basic concepts, principles, and techniques of business leadership. Emphasis will be on the student developing a solid leadership foundation while

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centering them in the real themes, demands, and opportunities of an evolving and dynamic business workplace. This course will incorporate basic leadership skill development as it relates to the core aspects of the management practice.

**MAN3503, Managerial Risk Analysis and Decision Making**

**3 hrs., 3 crs.**

(Offered summer).

This course covers a framework for making decisions, as well as understanding how these decisions can be used to manage risk. Managers need to understand how they personally value risk in order to recognize the potential impact their behavior may have on organizations and stakeholders, this course will study approaches that students develop and apply decision making and risk analysis to solve problems in different operating environments.

**+MAN4280, Leadership and Change Management**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: Must be admitted to one of the BAS programs.

This course will study leadership within an organization and provide students with tactical ways to motivate and lead their team to success while facing both planned and unpredicted business changes such as turnover, cost cutting, organizational structure changes and technology. The course will prepare students to recognize potential future business challenges both internally and externally. The student will gain knowledge to be able to identify the needs of a business in a rapidly changing global climate and learn how to quickly assess, adapt, and implement procedures to ensure long term success of their organization.

**+MAN4301, Human Resource Management**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: Must be admitted to one of the BAS programs.

This course will study various areas of Human Resource Management including job design, recruitment, performance evaluation, reward systems, development and training of employees to secure retention and formulation of human resource procedures. The strategic role of human resources and current issues will be discussed.

**+MAN4520, Quality Management (Six Sigma)**

**3 hrs., 3 crs.**

(Offered fall).

Corequisite: MAN3303 or permission of department chair. This course teaches students the significance of quality as a primary competitive strategy for tomorrow's successful business organizations using six sigma methodologies. The impact of quality focus on increasing customer satisfaction is changing the manner in which business organizations function. Students will recognize that quality focused business organizations are evolving into very different environments in which to work and manage. This quality imperative is relevant for both industrial and service sector organizations. Students will be exposed to the critical issues of total quality management through reading, case studies, class discussion, and outside speakers. The students are expected to gain insight and understanding regarding the meaning of quality, how organizations develop a quality focus, and the continuous nature of quality management.

**+MAN4900, Capstone Project**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Permission of instructor.

This capstone course will provide the opportunity for students to demonstrate their mastery of the material learned from the program and can apply it in the real world. It should be taken during the student's last semester at the college. It provides the student an opportunity to develop a plan to solve a problem dealing with technology management, entrepreneurship, and/or organizational leadership issues of today.

**MAP – MATHEMATICS APPLIED**

**+MAP2302, Differential Equations**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite or Corequisite: MAC2313 or consent of instructor. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator they must see their instructor in advance for approval. Differential Equations is a study of the classification, solution, and application of ordinary differential equations. Solutions to differential equations are obtained by both the classical and Laplace Transform methods.

•General Education Core.

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=Career Certificate course.

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\*Minimum grade of "C" required.

**MAR – MARKETING****MAR2011, Marketing****3 hrs., 3 crs.**

(Offered fall and spring).

Functions and institutions involved in the marketing process; marketing of agricultural products, raw materials, and manufacturing goods; problems involved in the choice of channels of distribution; function and methods of operation of wholesalers, retailers, and other marketing agencies; producer and consumer cooperation; demand creation methods and problems; the pricing problem; and the consumer in our marketing system.

**MAR3802, Entrepreneurial Marketing****3 hrs., 3 crs.**

(Offered fall).

This course introduces the fundamental processes, research, and testing methods, planning aspects, and integrated promotional programs marketers use in designing and launching innovations, including e-business and marketing plans. It also discusses the principles of branding and brand development.

**MAR4413, Entrepreneurial Selling****3 hrs., 3 crs.**

(Offered spring).

This course focuses on addressing the issues, processes and strategies related to selling and sales management. This is a comprehensive course in the art of selling, focusing on relationship building, negotiating, and sales management. Various techniques will be explored, including prospecting, lead management, product introduction, negotiation, closing strategies, and relationship management.

**+MAR4836, Concept and Product Development****3 hrs., 3 crs.**

(Offered spring).

Prerequisite: MAR2011.

Prerequisite or Corequisite: ENT2000.

This course introduces the fundamental processes, research, and testing methods, planning aspects and integrated promotional programs marketers use in designing and launching innovations, including e-business and marketing plans.

**MAT – MATHEMATICS****College Preparatory Mathematics**

The following developmental courses are not intended to satisfy any part of the college-level mathematics requirements and do not count as part of the required hours for graduation. A minimum grade of "C" or a passing score on the Florida College Entry-Level Placement Test is required to progress to the next course.

**\*MAT0012, Developmental Arithmetic with Algebra****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Developmental Arithmetic with Algebra (3.0 credit) is a course designed for students who need to strengthen their mathematical background. The course must be passed with a minimum grade of "C" and is not intended to satisfy general education requirements in mathematics or to count toward required hours for graduation. Calculators are allowed in the course.

Topics included operations with integers, fractions, decimals, geometric figures and their measures, pre-algebra topics, including properties of rational numbers, operations of rational numbers, simplification of polynomials, and equations—solving techniques.

**College-Level Mathematics****Elective Credit****+MAT1033, Intermediate Algebra****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Successful completion of developmental courses, appropriate placement test scores or meet state exemption requirement. Intermediate Algebra receives college credit, but only elective credit, and cannot be used to satisfy the math requirements for the Associate in Arts degree. Topics included are factoring, algebraic fractions, radicals and rational exponents, complex numbers, quadratic equations, rational equations, linear equations and inequalities in two variables and their graphs, systems of linear equations and inequalities, introduction to functions, and applications of the above topics.

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**MCB – MICROBIOLOGY****+MCB2004, Microbiology****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisites: Must have completed 3 hrs. biology or 3 hrs. chemistry. Corequisite: MCB2004L. The study of bacteria, molds, yeast, and other microorganisms. Emphasis is on distribution, spread, culturing, identification, classification, and the role of these microorganisms in human diseases. This course is not intended for biology majors.

**+MCB2004L, Microbiology Laboratory****3 hrs., 1 cr.****\$172.00 lab fee**

(Offered fall, spring, and summer).

Corequisite: MCB2004.

Microbiology lab covers the study of bacterial techniques. Students learn how to culture and stain bacteria as well as perform metabolic tests to aid in bacterial identification. The effects of antibiotics and disinfectants on microbial growth are also tested.

**MGF – MATHEMATICS: GENERAL AND FINITE****+\*MGF1106, Mathematics for Liberal Arts****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Successful completion of developmental courses, appropriate placement test scores or meet state exemption requirement. The TI-83/84 are the only allowable calculators for test days. If students wish to use any other calculator they must see their instructor in advance for approval. Topics covered include sets, logic, geometry, combinatorics, probability, and elementary statistics.

**+\*MGF1107, Survey of Mathematics****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Successful completion of developmental courses, appropriate placement test scores or meet state exemption requirement. The TI-83/84 are the only allowable calculators for test days. If students wish to use any other calculator they must see their instructor in advance for approval. Topics covered include the history of numbers, number theory, graph theory, mathematical modeling, and transformation geometry.

**•+\*MGF1130, Mathematical Thinking****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Successful completion of developmental courses, appropriate placement test scores or meet state exemption requirement.

Through this course, students will utilize multiple means of problem-solving through student-centered mathematical exploration. The course is designed to teach students to think more effectively and vastly increase their problem-solving ability through practical application and divergent thinking. This course is appropriate for students in a wide range of disciplines/programs.

**+\*MGF1131, Mathematics in Context****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: \*MGF1130.

Through this course, students will experience the practicality of mathematics in a global society. Students will engage in the applications of tools and techniques of mathematics in a variety of contextual situations from everyday life. This course is appropriate for students in a wide range of disciplines/programs.

**MNA – MANAGEMENT: APPLIED****#MNA1100, Human Relations in Management****3 hrs., 3 crs.**

(Offered spring).

An introductory course concerned with the nature, scope, and understanding of human interactions as they relate to management. Emphasis on theory and practice using convention and laboratory methods.

**MTB – MATHEMATICS – TECHNICAL AND BUSINESS****+MTB1370, Math for Health-Relation Professions****1 hr., 1 cr.**

(Offered spring).

Prerequisite: Knowledge of basic arithmetic.

Math for health-related professions is designed for students completing a degree or certificate in a health-related field. The course can count for elective credit but does not count toward the general education mathematics requirement. Topics covered include: 1) arithmetic, 2) the metric system, 3) apothecary measurements, 4) techniques of health-data analysis, and 5) applications to various fields in the health-care system.

•General Education Core.

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**MTE – MARINE TECHNOLOGY AND NAUTICAL SCIENCE****#MTE1811C, Introduction to Seamanship****5 hrs., 3 crs.**

(Offered summer).

This course covers the fundamentals of small boat handling, chart reading, rules of the road, rigging, safety, and boat licensing. Hands-on plotting with local charts, practical knots and other rope work. Weather permitting, on the water practice.

**MUL – MUSIC LITERATURE****•MUL2010, Understanding Music****3 hrs., 3 crs.**

(Offered fall and spring).

(Meets Fine Arts Humanities requirement).

In this course, students will survey the history of Classical music from Antiquity to the Modern period, focusing on Western Music. The curriculum may also integrate a variety of popular and global styles where appropriate.

**+MUL2110, Survey of Music Literature****3 hrs., 3 crs.**

(Offered spring).

Prerequisites: MUT1111, MUT1241, or permission of instructor.

(Meets Fine Arts Humanities requirement.)

In this course, students will survey the history of Western music from antiquity to the modern period, including selections from the Western canon. Students will discuss and analyze music, while developing critical thinking skills in reading, writing, and listening. This course is intended for music majors who have completed MUT1111/MUT1241 and is designed to prepare students for upper-level music history and writing at the university level.

**MUM – MUSIC:****COMMERCIAL/MANAGEMENT/ADMINISTRATION****+MUM2600, Sound Recording I****3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite or Corequisite: MUM 2600L.

This course offers basic information in the art of recording vocal and instrumental sound with emphasis on understanding the functions of recording equipment,

placement of microphones, making initial recordings of various groups or soloists, and the ability to mix-down the initial recordings.

**+MUM2600L, Sound Recording Lab****2 hrs., 2 crs.**

(Offered fall and spring).

Prerequisite or Corequisite: MUM 2600.

This course is designed to provide students with “hands on” experience in conjunction with live performance activities. Basic computer skills in Windows are essential. Note: This course is a corequisite for MUM2600, MUM2601, and MUM2604. This course may be taken four (4) times for credit.

**+MUM2601, Sound Recording II****3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: MUM2600. Corequisite: MUM2600L.

This course explores advanced multi-track recording skills, microphone techniques, use of outboard equipment and live multi-track recording.

**MUN – MUSIC ENSEMBLES****MUN1340, Singing Commodores****4 hrs., 1 cr.**

(Offered fall and spring).

A show choir performance group. By audition only. Students are expected to participate for the entire academic year. (May be repeated up to three times for credit.)

**MUN1460, Chamber Ensemble****3 hrs., 1 cr.**

(Offered fall and spring).

This course provides an in-depth exploration of chamber music in a small ensemble setting. Repertoire will be selected based on ensemble instrumentation and skill level. Students will develop skills in musical collaboration, interpretation, and communication through rehearsals, coaching sessions, and performances. Ensembles may be arranged according to availability and student proficiency each semester to meet the needs of the students. (Open to all college students. May be repeated up to four times for credit.)

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**MUN2120, Concert Band I****3 hrs., 1 cr.**

(Offered fall and spring).

The study and performance of a wide variety of concert band literature. (Open to all college students. May be repeated up to two times for credit.)

**MUN2310, Concert Chorale I****3 hrs., 1 cr.**

(Offered fall and spring).

The study and performance of works representative of a wide spectrum of choral literature. (Open to all college students. May be repeated up to two times for credit.)

**+MUN2312, Concert Chorale II****3 hrs., 1 cr.**

(Offered fall and spring).

Prerequisites: MUN2310, permission of instructor.

The study and performance of works representative of a wide spectrum of choral literature. (Open to all college students. May be repeated up to two times for credit.)

**MUN2710, Jazz Ensemble****3 hrs., 1 cr.**

(Offered fall and spring).

(Audition and instructor permission required.) The study and performance of jazz and popular band literature. (Open to all college students. May be repeated up to three times for credit.)

**MUO – MUSIC: OPERA/MUSICAL THEATRE****MUO1020, Musical Productions****1 hr., 1 cr.**

(Offered as needed).

Performance or technical work in musicals, operas, oratorios, or revues. (May be repeated up to three times for credit.)

**MUS – MUSIC: OTHER THAN APPLIED****MUS1010, Recital Class****1 hr., 0 cr.**

(Offered fall and spring).

This course aims to enhance students' musicianship through observing and participating in musical performances, workshops, and seminars. Please see student handbook for specific requirements. (Open to music majors only. May be repeated up to three times for credit.) Grade mode: pass/fail.

**MUT – MUSIC: THEORY****MUT1011, Reading and Writing Music****3 hrs., 3 crs.**

(Offered as needed).

A basic music theory class. Application of the fundamental materials of music theory. (Does not satisfy music major theory requirement.)

**+MUT1111, Music Theory I****3 hrs., 3 crs.**

(Offered fall).

Corequisite: MUT1241.

A systematic study of the materials and structures of music. Study includes fundamentals, diatonic, chromatic, and twentieth-century concepts.

**+MUT1112, Music Theory II****3 hrs., 3 crs.**

(Offered spring).

Prerequisite: MUT1111 or permission of instructor.

Corequisite: MUT1242. A systematic study of the materials and structures of music. Study includes fundamentals, diatonic, chromatic, and twentieth-century concepts.

**+MUT1241, Ear Training and Sight Singing I****2 hrs., 1 cr.**

(Offered fall).

Corequisite: MUT1111.

Development of ear training skills and sight singing.

**+MUT1242, Ear Training and Sight Singing II****2 hrs., 1 cr.**

(Offered spring).

Prerequisite: MUT1241 or permission of instructor.

Corequisite: MUT1112.

Development of ear training skills and sight singing.

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**+MUT2116, Music Theory III****3 hrs., 3 crs.**

(Offered fall).

Prerequisite: MUT1112 or permission of instructor.

Corequisite: MUT2246.

A systematic study of the materials and structures of music. Study includes fundamentals, diatonic, chromatic, and twentieth-century concepts.

**+MUT2117, Music Theory IV****3 hrs., 3 crs.**

(Offered spring).

Prerequisite: MUT2116 or permission of instructor.

Corequisite: MUT2247.

A systematic study of the materials and structures of music. Study includes fundamentals, diatonic, chromatic, and twentieth-century concepts.

**+MUT2246, Ear Training and Sight Singing III****2 hrs., 1 cr.**

(Offered fall).

Prerequisite: MUT1242 or permission of instructor.

Corequisite: MUT2116.

Development of ear training skills and sight singing.

**+MUT2247, Ear Training and Sight Singing IV****2 hrs., 1 cr.**

(Offered spring).

Prerequisite: MUT2246 or permission of instructor.

Corequisite: MUT2117.

Development of ear training skills and sight singing.

**MVB – APPLIED MUSIC: BRASSES****MVK – APPLIED MUSIC: KEYBOARD****MVP – APPLIED MUSIC: PERCUSSION****MVS – APPLIED MUSIC: STRINGS****MVV – APPLIED MUSIC: VOICE****MVW – APPLIED MUSIC: WOODWINDS****Applied Music Prep****2 hrs., 2 crs.****\$180.00 lab fee per course**

Private lessons in principal instrument or voice for students preparing to enter freshman level of instruction. Placement determined by audition. May be repeated up to a maximum of 4 times for credit. Open to music and theatre majors only.

MVB 1011 Applied Trumpet Prep

MVB	1012	Applied French Horn Prep
MVB	1013	Applied Trombone Prep
MVB	1014	Applied Baritone Prep
MVB	1015	Applied Tuba Prep
MVK	1011	Applied Piano Prep
MVP	1011	Applied Percussion Prep
MVS	1011	Applied Violin Prep
MVS	1012	Applied Viola Prep
MVS	1013	Applied Cello Prep
MVS	1014	Applied Double Brass Prep
MVS	1016	Applied Guitar Prep
MVV	1011	Applied Voice Prep
MVV	1012	Applied Musical Theatre Voice Prep
MVW	1011	Applied Flute Prep
MVW	1012	Applied Oboe Prep
MVW	1013	Applied Clarinet Prep
MVW	1014	Applied Bassoon Prep
MVW	1015	Applied Saxophone Prep

**Applied Music****2 hrs., 2 crs.****\$180.00 lab fee per course**

Private lessons in principal instrument or voice. May be repeated up to a maximum of 4 times for credit. Open to music and theatre majors only. Placement determined by audition.

MVB	1311, 2321	Applied Trumpet
MVB	1312, 2322	Applied French Horn
MVB	1313, 2323	Applied Trombone
MVB	1314, 2324	Applied Baritone
MVB	1315, 2325	Applied Tuba
MVK	1311, 2321	Applied Piano
MVP	1311, 2321	Applied Percussion
MVS	1311, 2321	Applied Violin
MVS	1312, 2322	Applied Viola
MVS	1313, 2323	Applied Cello
MVS	1314, 2324	Applied Double Bass
MVS	1316, 2326	Applied Guitar
MVV	1311, 2321	Applied Voice
MVV	1312, 2322	Applied Musical Theatre Voice
MVW	1311, 2321	Applied Flute
MVW	1312, 2322	Applied Oboe
MVW	1313, 2323	Applied Clarinet
MVW	1314, 2324	Applied Bassoon
MVW	1315, 2325	Applied Saxophone

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**MVK1111, Class Piano I****2 hrs., 1 cr.**

(Offered fall and spring).

Beginning class instruction in piano techniques and keyboard harmony. (May be repeated once for credit.)

**+MVK2121, Class Piano II****2 hrs., 1 cr.**

(Offered fall and spring).

Prerequisite: MVK1111.

Intermediate class instruction in piano techniques and keyboard harmony. (May be repeated once for credit.)

**NSP – NURSING: SPECIAL****+##NSP2090, Registered Nurse First Assistant Theory  
3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Proof of current RN licensure or CNOR certification.

Designed to prepare registered nurses in the practice of first assisting. Course includes instruction in preoperative management, intraoperative assisting, and postoperative management. Preop management includes but is not limited to the preop assessment, resolution of discrepancies, communicating/collaborating regarding the plan of care, positioning for optimal exposure, the time out verification, and documentation. Intraoperative first assisting includes but is not limited to synthesizing patient data to detect/prevent potential adverse events, surgical procedures, anticipation, minimizing procedure length, using instruments/devices safely, providing exposure, handling/cutting tissue, providing hemostasis, preventing contamination, preventing foreign body retention, and suturing. Postop management includes but is not limited to documentation of plan of care/postoperative orders/operative notes, postop rounds, assessing patient, and assisting with discharge planning/community resources.

**+##NSP2090L, Registered Nurse First Assistant Theory  
Lab and Clinical****190 hrs., 3 crs.****\$458.00 lab fee**

(Offered fall and spring).

Prerequisite: NSP2090.

This course is designed to provide lab and clinical experience to the registered nurse regarding the expanded functions unique to the RNFA First Assisting intern. This course includes a study of common surgical procedures including but not limited to anatomy and physiology,

pathophysiology, sequence of procedure, assisting behaviors, operative technique, and potential complications for the procedure. In addition, course content shall emphasize preoperative, intraoperative and postoperative patient management in collaboration with other health care providers. Includes, but is not limited to performing focused preoperative nursing assessments, communicating and collaborating with other healthcare providers the plan of care, validated documentation of intraoperative experiences, and postoperative patient management such as participating in postoperative rounds and assisting with discharge planning including the identification of appropriate community resources.

**+##NSP2290, Perioperative Nursing Theory****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite or Corequisite: ENC1101, PSY2012, humanities elective.

This course is designed to introduce the registered nurse or nursing student to perioperative nursing with a focus on the interoperative component. This course includes an introduction to surgical technique. There is an additional cooperative clinical/lab component that is available for hands on experience in the surgical setting.

**#NSP2290L, Clinical Internship in Perioperative Nursing  
200 hrs., 3 crs.**

(Offered summer).

This course is designed to introduce the individual to perioperative surgical nursing with a focus on intraoperative nursing. This course includes a study of the patient's perioperative experience, roles and responsibilities of the registered nurse; principles and practice of sterile technique; sterilization and disinfection; operating room hazards; and an introduction to surgical technique.

**NUR – NURSING, GENERIC UNDERGRADUATE****+##NUR1000C, LPN to ADN Transition****5 hrs., 5 crs.****\$898.00 lab fee**

(Offered fall and spring).

Prerequisites: Completion of general education courses described in the application packet: BSC2085, BSC2085L, BSC2086, BSC2086L, DEP2004, HUN1201, NUR1142, POS2041 or AMH2020, and college-level math.

Successful completion of a Practical Nursing Program.

Receipt of proof of a Practical Nursing License in the State of Florida.

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This course is designed to facilitate entry of the licensed practical nurse into the associate degree nursing program, building on the P.N. curriculum. All students will demonstrate the transition between the role of the licensed practical nurse to associate degree registered nurse. This course includes program information regarding philosophy, curriculum framework, nursing outcomes, roles and functions of the R.N., utilization of the nursing process, and selected aspects of patient assessment. Students will expand their knowledge regarding pharmacology, pathophysiology, communication and teaching. Evaluation of assessments, selected clinical skills, care planning and management are also included.

**+#NUR1022C, Foundations of Nursing Practice**

**4 hrs., 3 crs.**

**\$6.00 lab fee**

(Offered fall and spring).

Prerequisites: \*BSC2085, \*BSC2085L, \*ENC1101, and \*college-level math.

Prerequisite/Corequisite: \*NUR1142.

Introduction to the health care system, the nursing role, conceptual model of the curriculum and the nursing process. Theories of Maslow and Erikson as a basis for assessment of needs focusing on normal parameters. Includes a study of medical terminology, communication skills, pharmacology math, health teaching, and introductory nursing management. Concurrent campus lab experiences provided for the development of psychomotor skills.

**+#NUR1142, Introduction to Pharmacology**

**2 hrs., 2 crs.**

(Offered fall, spring, and summer).

Prerequisite: BSC2085. Prior completion of BSC2086, MCB2004, and knowledge of medical terminology is also helpful. This course is restricted to RN-APP / RN-AS / LPN-ADN transition students, and students must have consent of nursing advisor for enrollment.

This is an introductory survey course addressing broad drug groups and classifications. Topics include pharmacokinetics, pharmacodynamics, drug preparations, interactions, adverse and side effects, legal aspects, and application of the nursing process to the pharmacological plan of care.

**+#NUR1210C, Basic Care of the Adult**

**6 hrs., 4 crs.**

**\$47.00 lab fee**

(Offered fall and spring).

Prerequisite: NUR1022C.

This course covers utilization of the nursing process with applications to the adult experiencing alterations in the health state with emphasis on the elderly population. Content addresses foundations of gerontological nursing, alterations in musculoskeletal system, alterations in protective functions, common endocrine disorders, basic fluid and electrolytes, death and dying, alterations in reproductive function, and reproductive surgeries. Introductory nursing management principles are applied in the clinical setting. Concurrent campus and clinical lab experiences are provided.

**+#NUR1213C, Intermediate Adult Care**

**18 hrs., 10 crs.**

**\$922.00 lab fee**

(Offered fall and spring).

Prerequisite: \*NUR1022C, \*NUR1210C, \*NUR1142, \*HUN1201, \*BSC2086, \*BSC2086L, \*DEP2004.

This course utilizes the nursing process with application to the adult client experiencing medical and surgical health complications and abnormal health states. Emphasis is placed on metabolic and regulatory mechanisms of the brain, liver, gallbladder, spleen, pancreas, digestive abnormalities, fluid and electrolyte imbalances, the endocrine and the renal system and eye and ear abnormalities and diseases. This course also focuses on neurological dysfunctions and infectious communicable diseases and the characteristics of the older population and normal aging. Focus areas will cover factors that influence dysfunctions and medical management to include effective communication, the nursing process and nurse's role, to assist the nurse in factoring in cultural differences and normal aging. Concurrent clinical experience is provided in acute care, long-term care and community agency settings.

**+#NUR2214C, Advanced Adult Care**

**19 hrs., 11 crs.**

**\$884.00 lab fee**

(Offered fall and spring).

Prerequisites: \*NUR1213C, \*NUR2420C, \*NUR2520C, \*NUR2310C, \*MCB2004, \*MCB2004L.

Prerequisites or corequisites: \*POS2041 or \*AMH2020, and 3 credits from \*Humanities I, II, or III.

This course is an extension of Intermediate Adult Care. The holistic perspective of this course considers aspects when caring for persons with complex health conditions, clinical decision making, critical thinking, and for persons with multi-systems, complex health problems in an advanced technology with multifaceted medical and nursing

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interventions. A study of the intensive care experience and emergency nursing is included. Concurrent campus and clinical labs are provided. A preceptorship experience to assist in role transition from student to graduate nurse is provided. Students may be assigned to clinical labs on shifts other than day shifts. Completion of a comprehensive nursing exam is required.

**+#NUR2310C, Nursing Care of the Child**

**6 hrs., 4 crs.**

**\$319.00 lab fee**

(Offered fall and spring).

Prerequisites: \*NUR1213C.

This course utilizes the nursing process and family-centered care to provide nursing care for children and their families in the hospital, home, ambulatory and community settings. Emphasis is placed on the application of normal growth and development principles as well as selected health problems of children. A variety of clinical rotation experiences are provided which assist the student in applying theoretical knowledge to clinical situations in the pediatric setting. Specific exercises and opportunities emphasize critical thinking, communication, cultural consideration, growth and development, assessment, legal and ethical considerations, and management principles.

**+#NUR2420C, Maternal-Infant Nursing**

**6 hrs., 4 crs.**

**\$298.00 lab fee**

(Offered fall and spring).

Prerequisites: \*NUR1213C.

This course focuses on the application of the nursing process to the childbearing family. Content includes reproductive anatomy and physiology, conception and fetal development, pregnancy, pregnancy at risk, the birth process, the postpartum period, the normal newborn, the newborn with selected risks, and methods of fertility control. Legal and ethical concepts are considered, along with selected principles of nursing leadership and management. Concurrent campus and clinical lab experiences are provided.

**+#NUR2520C, Psychiatric Mental Health Nursing**

**6 hrs., 4 crs.**

**\$291.00 lab fee**

(Offered fall and spring).

Prerequisites: \*NUR1213C.

Utilization of the nursing process with applications to the individual experiencing biopsychosocial alterations in the health state. Emphasis is placed on the use of the therapeutic interpersonal process in meeting client's

needs. Management of the therapeutic milieu and time related issues are also addressed. Includes an overview of mental health nursing and care of the persons with disrupted coping patterns and altered thought processes. Concurrent campus and clinical lab experiences are provided in institutional and community-based practice settings.

**+#NUR2930, Selected Topics in Nursing I**

**1 hr., 1 cr.**

(Offered fall and spring).

Prerequisite: Permission of instructor.

Individualized study of selected aspects in nursing.

**+#NUR2932, Selected Topics in Nursing II**

**2 hrs., 2 crs.**

(Offered fall and spring).

Prerequisite: Permission of instructor.

A more in depth individualized study of selected aspects of nursing.

**\*NUR3069, Advanced Health Assessment**

**3 hrs., 3 crs.**

(Offered fall and spring).

A course designed to develop the student's knowledge and skills for obtaining and recording a systematic, comprehensive health history and physical examination of the adult. The course involves synthesis of nursing, biologic, psychologic, and sociocultural knowledge and theories as they apply to the findings obtained in the comprehensive health assessment of adults. Variations in children and elders are also analyzed. The process whereby the nurse utilizes interviewing and clinical examination skills to gather and analyze data relevant to common health problems is emphasized.

**\*NUR3119, Nursing Concepts and Theories**

**3 hrs., 3 crs.**

(Offered fall and spring).

This course includes information on the profession of nursing and introduces the student to the heritage of nursing. The focus is on the contemporary image of the nursing profession in its varied roles within the health care system. The philosophical and theoretical bases of nursing as a profession are explored. The emphasis is on recognition of nursing as a vital component of health care and on the beginning socialization of students into the professional role.

**\*NUR3128, Pathophysiology**

**3 hrs., 3 crs.**

(Offered fall and spring).

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This course includes information about the pathophysiologic base and pharmacologic management of disease processes across the lifespan. The focus is on alterations in physiologic function as manifestations of disease, and differences in children, adults, and older adults. Emphasis is on relating signs, symptoms, and laboratory findings of common alterations and understanding the appropriate pharmacologic management to promote adaptation.

**+\*NUR3167, Research Process for Professional Nursing  
3 hrs., 3 crs.**

(Offered spring and summer).

Prerequisite: \*STA2023, \*NUR3925.

This introductory course is designed to promote conceptualization of both the basic research process and the importance of research to support evidenced-based nursing practice. Emphasis is also on understanding and utilizing technological resources available for accessing published healthcare research.

**\*NUR3636C, Community Health Nursing  
5 hrs., 4 crs.**

**\$14.00 lab fee**

(Offered fall and spring).

This course provides an understanding of community nursing including adaptive responses of client groups, research on community nursing and its application to clients within the community, and the concepts of epidemiology and biostatistics. Application in a clinical setting of community nursing includes adaptive responses of client groups, research on community nursing and its application to clients within the community, and the concepts of epidemiology and biostatistics. Assessment of the community and its healthcare delivery systems will be emphasized, including the social structures within the community and family structures. The role of the nurse in dealing with family crises, gerontological problems, child-bearing and child-rearing families, and medical-surgical conditions will be explored. Historical, legal, ethical, and economic issues affecting adult/gerontological nursing will also be a focus.

**\*NUR3895, Teaching and Learning for the Healthcare Professional  
3 hrs., 3 crs.**

(Offered fall and spring).

An overview course designed to include teaching and learning theories, educational needs assessment, development of teaching and learning objectives, teaching

strategies and methodologies, and evaluation of instruction. Strategies for teaching individuals, small groups, and the client will also be included.

**\*NUR3925, Symposium I  
1 hr., 1 cr.**

(Offered fall and spring).

This select symposium centers around the exploration of a specific topic or to enhance specific professional skills. Topics may vary. Topics are selected on the basis of what is new or currently relevant in the field.

**\*NUR4655, Multicultural Factors and Health  
3 hrs., 3 crs.**

(Offered fall and summer).

This course will provide a comparative analytical approach to the study of communication, current problems, issues, health care beliefs, values, and cultural norms as they affect health care practices. Institutional health care policies and standards which conflict with ethical or cultural beliefs will be explored.

**+\*NUR4827C, Leadership and Management  
5 hrs., 4 crs.**

(Offered spring and summer).

Prerequisite: \*NUR3636C.

This course provides a foundational understanding of how nurse leaders apply the principles of management, leadership, and administrative processes in both private and public organizations. Application in the clinical setting will include promoting a foundational understanding of how nurse leaders apply the principles of management, leadership, and administrative processes in both private and public organizations. Focus topics include an emphasis on: organizational change, measuring quality, performance evaluation, effective communication, motivation, relationship development, and collaborative teamwork.

**\*NUR4837, Health Care Policy and Economics  
3 hrs., 3 crs.**

(Offered fall and summer).

This course will provide the student with a foundation for participating in health policy with organizations and for understanding the economic impact of health planning. Content will include a review of the organization of health care systems, health care financing, economic implications, and the role of the provider in policy-making. Emphasis is on the analysis of health policy from a socioeconomic, ideological, political, historical, and

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technological perspective while integrating clinical management processes and the use of available community fiscal resources.

**\*NUR4847, Clinical Decision Making**

**3 hrs., 3 crs.**

(Offered fall and summer).

This course teaches a conceptual understanding of the logical and critical thought processes required of a professional nurse. The reasoning process is the essential link between information gathering and decision making. The aim of this course is to develop the analytical abilities that are necessary for tertiary studies, as well as for professional practice.

**+\*NUR4925, Symposium II**

**1 hr., 1 cr.**

(Offered fall and spring).

Prerequisite: NUR3925.

This select symposium centers around the exploration of a specific topic or to enhance specific professional skills. Topics may vary. Topics are selected on the basis of what is new or currently relevant in the field.

**+\*NUR4945C, Nursing Capstone Practicum**

**2 hrs., 2 crs.**

(Offered fall and summer).

Prerequisite: NUR3167.

This course includes practical application in a clinical setting of knowledge learned in the classroom.

**OCE – OCEANOGRAPHY/OCEAN ENGINEERING**

**•OCE1001, Fundamentals of Oceanography**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Using the scientific method, critical thinking skills, and data analysis, this course will examine the fundamental processes of the ocean system, composed of an atmosphere, hydrosphere, lithosphere, and biosphere, through time. The course will also explore interactions between these spheres, including critical analysis of scientific theories and emphasize oceanic connections with humanity.

**PEL – PHYSICAL EDUCATION ACTIVITIES  
(GENERAL) – OBJECT CENTERED, LAND**

**PEL1214, Intercollegiate Softball Workshop**

**2 hrs., 1 cr.**

(Offered fall and spring).

An activity course designed to serve varsity women's softball team members.

**PEL1219, Intercollegiate Baseball Workshop**

**2 hrs., 1 cr.**

(Offered fall and spring).

An activity course designed to serve varsity baseball team members.

**PEL1324, Intercollegiate Volleyball Workshop**

**2 hrs., 1 cr.**

(Offered fall and spring).

An activity course designed to serve the varsity women's volleyball team members.

**PEL1621, Theory and Practice of Basketball**

**2 hrs., 1 cr.**

(Offered fall and spring).

This course is designed for students to gain a working knowledge of rules, theory, and strategy of the sport of basketball through lecture, video, and on court demonstration and practice.

**PEL1624, Intercollegiate Basketball Workshop**

**2 hrs., 1 cr.**

(Offered fall and spring).

An activity course designed to serve varsity basketball team members.

**PEM – PHYSICAL EDUCATION ACTIVITIES (GENERAL),  
PERFORMANCE CENTERED, LAND**

**PEM1109, Circuit Training**

**2 hrs., 1 cr.**

(Offered fall, spring, and summer).

This course is designed for the development and maintenance of physical fitness through regular participation in a continuous sequence with a variety of activities such as cardiovascular exercise, calisthenics, weights, bands, balls, and weight-bearing exercises. (No more than two physical education/activity semester hours may be used for the A.A. degree.)

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**PEM1121, Yoga****2 hrs., 1 cr.**

(Offered fall, spring, and summer).

Performance and application using a series of yoga basic movements, breathing, and concentration techniques designed to enhance body awareness, flexibility, balance, and allow the mind to be focused and centered. (No more than two physical education/activity semester hours may be used for the A.A. degree.)

**PEN - PHYSICAL EDUCATION ACTIVITIES (GENERAL),  
WATER, SNOW, ICE**

**PEN1171, Water Aerobics****2 hrs., 1 cr.**

(Offered fall, spring, and summer).

This course is designed and organized so students can maintain and/or improve their health and fitness. Instruction in water exercises will contribute to the strength, flexibility, and cardiovascular endurance of the student. NOTE: Swimming skills are not a prerequisite. (No more than two physical education/activity semester hours may be used for the A.A. degree.)

**+PEN1172, Fitness Swim****2 hrs., 1 cr.**

(Offered fall, spring, and summer).

Prerequisite: PEN1121 or complete basic water skills test the first day of class.

This course is a noncompetitive but structured lap-swim program combined with stroke analysis and training techniques. The course is designed so students can maintain and/or improve their health and fitness. (No more than two physical education/activity semester hours may be used for the A.A. degree.)

**+PEN2136, Basic Skin and SCUBA Diving****6 hrs., 3 crs.****\$132.00 lab fee**

(Offered fall, spring, and summer).

Prerequisite: Student must pass a basic water skills test the first class meeting.

This course provides an orientation and introduction to physics of diving; anatomy; barotrauma, decompression sickness and decompression tables; general diving and scuba operation and maintenance; diving first aid and CPR; dive planning, environment and marine life. (No more than two physical education/activity semester hours may be used for the A.A. degree.)

**+PEN2137, Advanced SCUBA Diving****4 hrs., 2 crs.****\$150.00 lab fee**

(Offered fall, spring, and summer).

(The lab fee covers one offshore training dive and class materials). Each student must provide all of his/her own equipment or make arrangements for rental of equipment. A medical form is required and any history of heart or respiratory problems will require a doctor's exam. Prerequisite: Open water scuba certification from a recognized certifying agency. The student will have logged a minimum of 10 open water dives prior to taking this class. Students must be at least average swimmers and comfortable in the water. A preliminary swimming evaluation will be made.

Topics include underwater navigation, night, low visibility, current, river and deep diving, site evaluation, dive planning, equipment, medical aspects and search and recovery. Six open water dives are required during this course. (No more than two physical education/activity semester hours may be used for the A.A. degree.)

**+PEN2138, Rescue Diver****4 hrs., 2 crs.****\$130.00 lab fee**

(Offered fall, spring, and summer).

The lab fee covers all classroom materials, text books and manuals, and certification materials after successful completion of open water sessions. Certificates include NAUI Rescue Diver and DEMP (Diver Emergency Management Provider) from the Divers Alert Network DEMP is a four course package that includes Oxygen First Aid for Dive accidents, Neurological Assessment, Hazardous Marine Life First Aid, and Basic Life Support. Prerequisite: Advanced SCUBA, pool skill evaluation and each student must provide all of his/her own equipment suitable for open water or make arrangements for rental of equipment. A medical form is required and any history of heart or respiratory problems will require a doctor's exam. The course covers all academics, pool sessions, and open water skill sessions necessary for certification. Topics will include but not be limited to: identifying emergency situations, self-rescue, buddy team rescues, identifying stress, reaction to panic, and prevention techniques. Practice skills to include but not be limited to self-rescue, diver assists, surface and subsurface rescues, beach and boat extrications, and victim management. (No more than two physical education/activity semester hours may be used for the A.A. degree.)

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**PEO - PHYSICAL EDUCATION ACTIVITIES (PROFESSIONAL),  
OBJECT CENTERED, LAND****PEO2003, Sports Officiating****3 hrs., 3 crs.**

(Offered fall).

This course is designed to provide students with a working knowledge of sports officiating through the use of lecture, videos, and practical experience. Interpretation of rules from a selection of sport activities will be included. This course will count as an academic elective.

**PGY – PHOTOGRAPHY****PGY2801C, Digital Photography I****6 hrs., 3 crs.****\$79.00 lab fee**

Basic photographic composition and photographic skills; operation of the digital camera; techniques of computer manipulation; printing; and history and criticism of photography approaches as they relate to personal expression. (First priority will be given to students whose program requires photography.)

**+PGY2802C, Digital Photography II****6 hrs., 3 crs.****\$79.00 lab fee**

Prerequisite: PGY2801C.

Intermediate photographic composition and photographic skills; intermediate and advanced techniques of computer manipulation; printing; and history and criticism of photography approaches as they relate to personal expression (First priority will be given to students whose program requires photography.)

**PHI – PHILISOPHY****•+\*PHI2010, Introduction to Philosophy****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: ENC1101 with a minimum grade of "C."

(Meets Philosophy/Religion Humanities requirement.)

In this course, students will be introduced to the nature of philosophy, philosophical thinking, major intellectual movements in the history of philosophy, including topics from the western philosophical tradition and various problems in philosophy. Students will strengthen their intellectual skills, become more effective learners, and develop broad foundational knowledge. This is a course for which students will produce extensive college-level

writing and which requires completion with a minimum grade of "C."

**+\*PHI2600, Ethics****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: ENC1101 with a minimum grade of "C."

(Meets Philosophy/Religion Humanities requirement.)

This introductory course on ethics emphasizes the application of ethical theories to contemporary moral issues such as abortion, euthanasia, punishment, and the death penalty. The course also examines major moral theories through readings and selected primary materials, including selections from the Western canon. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**+PHI2620, Environmental Ethics****3 hrs., 3 crs.**

(Offered fall and spring).

This course examines environmental issues and how they have impacted contemporary society and analyzes the historical development of environmental approaches and ethical theories that have been generated by these approaches. Practical issues covered include, but are not limited to, global climate change, use of natural resources, pollution, environmental justice, and maintaining a sustainable, ecologically responsible ecosystem and society.

**+\*PHI2635, Biomedical Ethics****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

This course examines ethical issues that arise within the practice of medicine and within biomedical research. Case studies and thought experiments will be used to explore the ethical and professional responsibilities of those working in the medical profession. Topics may include the patient-physician relationship, abortion, infertility, genetics, cloning, euthanasia, organ transplant, and health care reform.

**PHI2647, Ethics of Technology****3 hrs., 3 crs.**

(Offered fall and spring).

This course extends critical thinking and ethical reasoning to issues concerning technology. Students will investigate and evaluate questions about topics such as the direction and purpose of technological development, problems

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connected to artificial intelligence, robotics, enhancement technologies, virtual reality, and the risks associated with existing and emerging technologies.

### PHT – PHYSICAL THERAPY

#### **+#PHT1000, Introduction to Physical Therapy**

**2 hrs., 2 crs.**

(Offered fall).

Prerequisite: Acceptance into PTA program.

This course provides an introduction to the history, present practice, and future trends of the physical therapy profession. An introduction to the team concept in health care including the role and responsibilities of the physical therapist assistant will be discussed. Students will also be presented with: an examination of legal and ethical issues related to the practice of physical therapy, patient's rights and responsibilities, confidentiality of patient information, discussion of structure and services of the American Physical Therapy Association, reimbursement systems and fiscal considerations of providers and consumers of physical therapy services, quality assurance and assessment in the delivery of physical therapy, and basic communication techniques.

#### **+#PHT1102, Applied Anatomy for PTAs**

**2 hrs., 2 crs.**

(Offered fall).

Corequisites: PHT1102L, BSC2085, BSC2085L.

This is a course for PTA students that reviews musculoskeletal, neuromuscular, and basic anatomical concepts. Functional anatomy will include the study of human joints, muscles, ligaments, and functional human motion. Application of anatomical concepts to physical therapy procedures will also be introduced. Examination of these concepts will include: coordinated muscle functional and neuromuscular control. This is a preparatory class for PHT1124.

#### **+#PHT1102L, Applied Anatomy Lab**

**2 hrs., 1 cr.**

**\$14.00 lab fee**

(Offered fall).

Corequisites: PHT1102.

This is a laboratory course which focuses on the application of anatomical principles presented in PHT1102. This includes the study of human joints, muscles, ligaments and nerves as they relate to function. application of anatomical concepts to physical therapy procedures will also be introduced, to highlight the

importance of patient positioning for optimal function and movement. This is a preparatory laboratory course for PHT1124L.

#### **+#PHT1124, Functional Human Motion**

**2 hrs., 2 crs.**

(Offered spring).

Prerequisites: BSC2085, BSC2085L, PHT1102, PHT1102L.

Functional Human Motion is a course designed for PTA students to review musculoskeletal, neuromuscular, and basic anatomical concepts. Functional mechanics, planes, and other relationships will be explored as they relate to joints, muscles, ligaments, and human body movement. Also includes the study of basic kinesiological/-biomechanical principles and their application to human movement such as analysis of normal movement patterns, posture, and gait. This course will focus on the axial skeleton, appendicular skeleton, and will explore anatomical concepts as they relate to the field of physical therapy.

#### **+#PHT1124L, Functional Human Motion Lab**

**2 hrs., 1 cr.**

(Offered spring).

Prerequisites: PHT1102, PHT1102L, BSC2085, BSC2085L.

Corequisite: PHT1124.

A laboratory course offering practice in the application of principles presented in PHT1124 for movement, posture and gait analysis/measurement. Focus is on the development and application of kinesiological and biomechanical concepts to human movement. Effective manual and keen observational skills will be developed for surface anatomy and palpation.

#### **+#PHT1131, Assessment, Measurement, and Documentation**

**1 hr., 1 cr.**

(Offered spring).

Prerequisite: HSC1531.

Introduction to medical record keeping. Documentation skills, including SOAP notes, narrative notes, and computerized documentation systems. Reading and interpreting a physical therapy evaluation. Concepts of measurement, assessment, and recording of flexibility, strength, function, balance, endurance, pain, neurological deficit and sensation, segmental length, girth, and volume.

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**+#PHT1131L, Assessment, Measurement, and Documentation Lab****4 hrs., 2 crs.**

(Offered spring).

Corequisite: PHT1131.

A laboratory course designed to practice principles presented in PHT1131. Reading and interpreting medical records and examination of a variety of evaluation and assessment forms. Practice in documentation skills, goniometry, muscle testing, neurological and sensory testing, coordination, and functional assessment.

**+#PHT1200, Basic Skills in Patient Care****2 hrs., 2 crs.**

(Offered fall).

Corequisite: PHT1000.

Introduction to basic patient care skills; moving, lifting, and transferring patients; patient positioning and draping; preparation of treatment area; medical asepsis and infection control; body mechanics; wheelchair operation and adjustment; identification of architectural barriers; safety issues in patient care and transport; fitting and application of selected adaptive devices; introduction to activities of daily living; bed mobility skills; vital signs, and range of motion.

**+#PHT1200L, Basic Skills in Patient Care Lab****4 hrs., 2 crs.****\$174.00 lab fee**

(Offered fall).

Corequisite: PHT1200.

A laboratory course designed for practice in the basic patient care skills presented in PHT 1200. The focus is on the development of safe and competent patient and equipment handling skills.

**+#PHT1220, Introduction to Therapeutic Exercise****3 hrs., 3 crs.**

(Offered spring).

Prerequisites: PHT1200, PHT1200L.

Introduction to the types and effects of exercise; rationale for and functional basis of exercises and techniques employed for therapeutic reasons; use and maintenance of a variety of exercise equipment; exploration of the concepts of lifespan fitness and wellness.

**+#PHT1220L, Therapeutic Exercise Lab****4 hrs., 2 crs.****\$38.00 lab fee**

(Offered spring).

Corequisite: PHT1220.

A laboratory course designed to develop skill in the application of the concepts and techniques of exercise therapy presented in PHT 1220. Hands-on experience with a variety of exercise equipment and practice in performing, assisting, and teaching of therapeutic exercises.

**+#PHT2211, Therapeutic Modalities****2 hrs., 2 crs.**

(Offered summer).

Prerequisites: PHT1220, PHT1220L.

Study of the physical principles, physiological effects, indications, contraindications, and rationales in the use of therapeutic heat, cold, light, water, pressure, traction, electricity, and massage in the treatment of specific clinical symptoms. Wound care with modalities. Use, maintenance, and safety inspection of equipment. Disinfection and sterilization of materials and equipment and infection control.

**+#PHT2211L, Therapeutic Modalities Lab****4 hrs., 2 crs.****\$73.00 lab fee**

(Offered summer).

Corequisite: PHT2211.

A laboratory course designed to develop competencies in the application of therapeutic modalities discussed in PHT 2211. Positioning, draping, and safety precautions in the use of all modalities will be a strong focus.

**+#PHT2224, Therapeutic Interventions I: Medical/Surgical Disabilities****2 hrs., 2 crs.**

(Offered summer).

Prerequisites: PHT1220, PHT1220L, PHT1131, PHT1131L.

Exploration of basic pathological processes in body systems and their clinical signs and symptoms in physical disabilities associated with selected medical/surgical conditions. Relationships between pathological conditions and their prognosis and treatment. Pharmacological aspects of treatment with implications for physical therapy treatment. Basic wound care techniques.

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**+#PHT2224L, Therapeutic Interventions I Lab  
2 hrs., 1 cr.**

(Offered summer).

Corequisite: PHT2224.

Laboratory course designed to develop skill in the application of concepts presented in PHT2224. Practice in performing, assisting, teaching, and documenting therapeutic exercises and treatment techniques for selected medical/surgical disabilities.

**+#PHT2225, Therapeutic Interventions II: Orthopedic Disabilities**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisites: PHT2224, PHT2224L.

Exploration of basic pathological processes in body systems and their clinical signs and symptoms in physical disabilities associated with selected orthopedic disabilities. Relationships between pathological conditions and their prognosis and treatment. Pharmacological aspects of treatment with implications for physical therapy treatment.

**+#PHT2225L, Therapeutic Interventions II Lab  
4 hrs., 2 crs.**

**\$19.00 lab fee**

(Offered fall).

Corequisite: PHT2225.

This is a laboratory course designed to develop skill in the application of concepts presented in PHT 2225. Practice in performing therapeutic exercises and treatment techniques for selected orthopedic disabilities.

**+#PHT2226, Therapeutic Interventions III: Neurological Disabilities**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisites: PHT2224, PHT2224L.

Exploration of basic pathological processes in body systems and their clinical signs and symptoms in physical disabilities associated with selected neurological conditions. Relationships between pathological conditions and their prognosis and treatment. Pharmacological aspects of treatment with implications for physical therapy treatment.

**+#PHT2226L, Therapeutic Interventions III Lab  
4 hrs., 2 crs.**

(Offered fall).

Corequisite: PHT2226.

This is a laboratory course designed to develop skill in the application of concepts presented in PHT2226. Practice in performing, assisting, teaching, and documenting therapeutic exercises and treatment techniques for selected neurological disabilities.

**+#PHT2801, PTA Clinical Practice I**

**9.6 hrs., 2 crs.**

**\$163.00 lab fee**

(Offered fall).

Prerequisites: PHT2211, PHT2211L.

Students are assigned to an agency providing physical therapy services for an introductory (full-time, 40 hours/week for 4 weeks) experience in the application of skills learned in the classroom to patients in the clinical setting. Students implement PT treatments and perform specific clinical tasks under the close supervision of a physical therapist. This is an introductory experience and emphasis is on developing ease in the moving and handling of patients; confidence in communicating and interacting with staff, patients, and their families; sharpened powers of observation; and an understanding of the role of the physical therapist assistant. A Patient Care Study is completed along with pertinent literature review. Grade mode: pass/fail.

**+#PHT2810, PTA Clinical Practice II**

**40 hrs., 4 crs.**

(Offered spring).

Prerequisite: PHT2801.

Corequisite: PHT2931.

An intermediate level, full-time clinical placement (40 hours/ week for 7 weeks) designed to be an in-depth experience in the delivery of physical therapy services to patients in a clinical setting. It is a supervised experience in the application of academically acquired knowledge. Problem-solving techniques are employed in the interpretation and execution of patient care plans. An in-depth patient care study will be completed, and students will prepare and give an in-service to the facility staff. Grade mode: pass/fail.

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**+#PHT2820, PTA Clinical Practice III****40 hrs., 4 crs.**

(Offered spring).

Prerequisite: PHT2810. Corequisite: PHT2931.

This course is an advanced level, full-time clinical placement (40 hours/week for 7 weeks) designed to be an in depth experience in the delivery of physical therapy services to patients in a clinical setting. Although a supervised experience in the application of academically and clinically acquired knowledge, emphasis will be on the students' developing more autonomy in patient care and more independence in involvement with the entire scope of physical therapy services from clerical to patient scheduling and treatment to department maintenance. Also of emphasis will be a continuation of the development of critical thinking, problem-solving, and communication/teaching skills. An in depth patient care study will be completed and a quality assurance study will be conducted. Grade mode: pass/fail.

**+#PHT2931, Seminar****2 hrs., 2 crs.****\$129.00 lab fee**

(Offered spring).

Corequisites: PHT2810, PHT2820.

This course is designed to broaden the scope of the student's understanding of clinical practice. Relationship of clinical research to clinical practice. Reading and review of professional literature in physical therapy or related fields. Conduction and presentation of patient care studies. Responsibilities for continuing education and professional development and quality assurance. Licensure issues. Job skills such as resumes and interview techniques. Reviewing for final competency exam and licensing exam preparation. Presentation of in-service and quality assurance projects. Final comprehensive exam.

**PHY – PHYSICS****•PHY1020, Basic Concepts of Physics****3 hrs., 3 crs.**

(Offered fall and spring).

This course offers a comprehensive survey of physics, covering a wide range of topics including motion, Newton's laws, energy, sound, heat, electricity, magnetism, and optics. Emphasizing a conceptual understanding of physics, the course integrates critical thinking skills and real-world applications.

**+PHY1023, Survey of General Physics****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: MAC1140, MAC1114.

A conceptual approach to physics with emphasis on problem solving. This course is designed for students who plan to take PHY2048 and have had no previous physics course.

**•+PHY2048, University Physics I****4 hrs., 4 crs.**

(Offered fall and spring).

Prerequisites: MAC2311, PHY1023 or equivalent.

Corequisites: MAC2312, PHY2048L.

This calculus-based course serves as the first in a two-part series, covering topics like kinematics, dynamics, energy, momentum, rotational motion, fluid dynamics, oscillatory motion, and waves. Designed for science and engineering majors, the course integrates critical thinking, analytical skills, and real-world applications.

**+PHY2048L, University Physics I Laboratory****3 hrs. 1 cr.****\$5.00 lab fee**

(Offered fall and spring).

Corequisite: PHY2048 or consent of instructor.

Investigation of lecture-related materials with an emphasis on the relationship of theoretical concepts to realistic measurements.

**+PHY2049, University Physics II****4 hrs., 4 crs.**

(Offered fall and spring).

Prerequisites: PHY2048, MAC2312.

Corequisite: PHY2049L.

A continuation of PHY2048 involving selected topics from sound, thermodynamics, optics, electricity, and magnetism.

**+PHY2049L, University Physics II Laboratory****3 hrs. 1 cr.****\$5.00 lab fee**

(Offered fall and spring).

Corequisite: PHY2049 or consent of instructor.

A continuation of PHY2048L.

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**•+PHY2053, College Physics I****3 hrs., 3 crs.**

(Offered fall).

Prerequisite: MAC1140, MAC1114.

Corequisite: PHY2053L.

This course is the first in a two-part series intended for non-physics majors, offering an algebra and trigonometry approach to topics such as kinematics, dynamics, energy, momentum, rotational motion, fluid dynamics, oscillatory motion, and waves. The course fosters analytical and critical thinking skills to promote a scientific understanding of the real world.

**+PHY2053L, College Physics I Laboratory****2 hrs., 1 cr.****\$5.00 lab fee**

(Offered fall).

Corequisite: PHY2053 or consent of instructor.

Laboratory work involves investigation of lecture-related materials and alternative approaches to problem solving.

**+PHY2054, College Physics II****3 hrs., 3 crs.**

(Offered spring).

Prerequisite: PHY2053. Corequisite: PHY2054L.

A continuation of PHY2053 involving selected topics from mechanics, wave motion, sound, optics, electricity, magnetism, and atomic physics.

**+PHY2054L, College Physics II Laboratory****2 hrs., 1 cr.****\$5.00 lab fee**

(Offered spring).

Corequisite: PHY2054 or consent of instructor.

A continuation of PHY2053L.

**PMT – PRECISION METALS TECHNOLOGY****#PMT2250C, CNC Programming I****4 hrs., 3 crs.****\$97.00 lab fee**

(Offered spring).

This is an introductory course in CNC programming utilizing mill, lathe, and routers.

**+#PMT2254C, CNC Programming II****4 hrs., 3 crs.****\$65.00 lab fee**

(Offered fall).

Prerequisite: PMT2250C.

This course is a continuation of PMT2250C, CNC Programming I. The student will learn to create their own programs from CAM software. The student will create parts utilizing mill, lathe, and routers.

**POS – POLITICAL SCIENCE****•@POS2041, American National Government****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

In this course, students will investigate how the national government is structured and how the American constitutional republic operates. It covers the philosophical and historical foundations of American government, including but not limited to: the Declaration of Independence, the US Constitution and its amendments, and *The Federalist Papers*. The course examines the branches of government and the government's laws, policies, and programs. It also examines the ways in which citizens participate in their government and ways their government responds to citizens.

**POS2112, State and Local Government****3 hrs., 3 crs.**

(Offered fall and spring).

The course is a study of state and local forms of government and the dynamics of governmental administrative processes. The State of Florida is used as an example of activities and patterns common within state-level governance. The responsibilities of local government at the county and city levels are explored as well.

**PRN – PRACTICAL NURSING****=PRN0098C, Practical Nursing Foundation 1****300 contact hrs., 10 vocational crs.****\$21.00 lab fee**

(Offered fall).

This course is an introduction to the health care delivery system and basic nursing care. Topics include basic safety, security, emergency procedures, blood-borne diseases, including HIV/AIDS, and principles of nutrition. Legal and ethical responsibilities, communication skills, and basic

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•General Education Core.

@Civic Literacy.

+Prerequisite and/or corequisite required.

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nursing procedures, including restorative activities are also covered. Students will practice infection control with aseptic technique, personal care, and learn to organize patient care. Medical terminology and normal structure and function of the human body are covered to provide a basic foundation on which to build subsequent learning. Laboratory and clinical experiences are provided for skills performance of personal and basic care of the patient. Concurrent campus and clinical lab experiences are provided.

**+PRN0099C, Practical Nursing Foundation 2**  
**300 contact hrs., 10 vocational crs.**  
**\$15.00 lab fee**

(Offered fall).

Prerequisite: PRN0098C.

This course concentrates on nursing principles and the role of the practical nurse in assisting the professional nurse in gathering information, identifying problems, planning interventions, and evaluating patient outcomes. A review of normal human growth and development with a focus on interpersonal relationships, mental health concepts, community health issues, and hospice care is included. The content will provide the basis to improve the behavioral aspects of the nurse/client relationship throughout the life span in various care settings. Performance of nursing procedures, skills, and safe medication administration are emphasized. Students will learn the symbols used in the measurement of medication, convert units of measure from one system to another, and calculate amounts of medication to give from the medication on hand. Concurrent campus and clinical lab experiences are provided.

**+PRN0290C, Medical-Surgical Nursing 1**  
**300 contact hrs., 10 vocational crs.**  
**\$3.00 lab fee**

(Offered spring).

Prerequisite: \*PRN0099C.

This course focuses on providing nursing care through the identification of signs and symptoms, diagnostic testing, medications, and nutritional needs of the adult client experiencing alterations in function of the cardiovascular, respiratory, lymphatic, musculoskeletal, endocrine or integumentary systems requiring medical or surgical management. Concurrent campus and clinical lab experiences are provided.

**+PRN0291C, Medical-Surgical Nursing 2**  
**300 contact hrs., 10 vocational crs.**

**\$4.00 lab fee**

(Offered spring).

Prerequisite: \*PRN0290C.

This course focuses on providing nursing care through the identification of signs and symptoms, diagnostic testing, medications, and nutritional needs of the adult client experiencing alterations in function of the gastrointestinal, neurological, urinary, reproductive systems, and oncologic disorders requiring medical or surgical management. Concurrent campus and clinical lab experiences are provided.

**+PRN0690C, Comprehensive Nursing and Transitional Skills A (Maternal-Child Nursing)**  
**150 contact hrs., 5 vocational crs.**

**\$317.00 lab fee**

(Offered summer).

Prerequisite: \*PRN0291C.

This course will assist the student to utilize nursing principles in the care of the expectant mother, newborn, and pediatric patient and their families. The promotion and maintenance of health, selected pediatric health problems and the prevention of SIDS/SUIDS are emphasized. Employability skills and preparation for the state licensing examination are included to assist the student to transition to the practical nursing role. Completion of a comprehensive nursing exam is required. Concurrent campus and clinical lab experiences are provided.

## PSY – PSYCHOLOGY

**•PSY2012, General Psychology**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

In this course students will gain an introduction to the scientific study of human behavior and mental processes. Topics may be drawn from historical and current perspectives in psychology.

## REA - READING

### College Preparatory Reading

The following are developmental courses not intended to satisfy any part of the college-level reading requirements and do not count as part of the required hours for graduation. A minimum grade of "C" is required to progress to the next course.

•General Education Core.

@Civic Literacy.

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\*Minimum grade of "C" required.

**+\*REA0019, Developmental Reading I and II Combined**  
**4 hrs., 3 crs.****\$5.00 lab fee**

(Offered fall, spring, and summer).

Prerequisite: Option for students who score below the prescribed state levels on the placement test for ENC1101 or ENC1101C. Must be passed with a minimum grade of "C." This course is a developmental course that is not intended to satisfy any part of General Education requirements and is not counted as part of the required hours for graduation. An intensive reading course designed to improve each student's level of comprehension and critical thinking skills.

**REL – RELIGION UNDERGRADUATE****+\*REL2121, Introduction to Religion in America**  
**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: ENC1101 with a minimum grade of "C." (Meets Philosophy/Religion Humanities requirement.) Through readings, discussions, and selected primary materials, including selections from the Western canon, this course provides an examination of the ideological origins and social context of American religious history. Emphasis is placed on the rich diversity of American religious life through an examination of American originals (e.g., native Americans, Mormons, Christian Scientists, Seventh-Day Adventists), imported religions (e.g., Protestantism, Catholicism, Islam, Judaism, Buddhism), and pop culture religion. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**+\*REL2300, Religions of the World**  
**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: ENC1101 with a minimum grade of "C." (Meets Philosophy/Religion Humanities requirement.) Through readings, discussions, and selected primary materials, including selections from the Western canon, this course examines the primitive and the living religions of Hinduism, Jainism, Sikhism, Buddhism, Confucianism, Taoism, Judaism, Shinto, Zoroastrianism, Islam, and Christianity, noting distinctions and similarities. This is a course for which students will produce extensive college-level writing and which requires completion with a minimum grade of "C."

**RET – RESPIRATORY CARE****#RET1005, Management of Cardiopulmonary Microbiology and Disorders****3 hrs., 3 crs.**

(Offered fall).

This course introduces the student to microbiology as it relates to the profession of respiratory therapy. Topics may include but are not limited to: scope of microbiology, bacteria, viruses, physical and chemical methods of control, laboratory techniques, safety issues, and infections and disorders encountered in respiratory care.

**+\*RET1024, Respiratory Care I**  
**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: Program acceptance.

Corequisite: \*RET1024L, \*RET1832.

This course introduces the student to patient assessment and vital signs, principles of infection prevention and control, bedside monitoring of patients with cardiopulmonary disorders, lung expansion therapy and airway clearance, devices used to deliver medical gas therapy, and the manufacturing, storage, handling, and transportation of medical gases.

**+\*RET1024L, Respiratory Care I Lab**  
**4 hrs., 2 crs.****\$687.00 lab fee**

(Offered fall).

Corequisite: \*RET1024, \*RET1832.

Through practice and performance testing, the student will demonstrate mastery in patient assessment and vital signs, principles of infection prevention and control, bedside monitoring, lung expansion and airway clearance, and delivery of medical gas therapy. Simulations will be utilized to enhance the learning experience and achieve course objectives while applying procedural knowledge gained in RET1024.

**+\*RET1264, Respiratory Care II**  
**3 hrs., 3 crs.**

(Offered spring).

Prerequisites: \*RET1024, \*RET1024L, \*RET1832.

Corequisites: RET1264L, RET1833.

This course includes the theory, procedures, and equipment used to deliver respiratory therapy medications. The student will be introduced to blood gas analysis, airway care, and basic life support.

● General Education Core.

@ Civic Literacy.

+ Prerequisite and/or corequisite required.

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**+#RET1264L, Respiratory Care II Lab****4 hrs., 2 crs.****\$253.00 lab fee**

(Offered spring).

Prerequisites: \*RET1024, \*RET1024L, \*RET1832.

Corequisites: RET1264, RET1833.

Through practice and performance testing, the student will demonstrate the mastery of equipment used to delivery respiratory therapy medications, airway care, basic life support, and arterial blood gas analysis. Simulations will be utilized to enhance the learning experience and achieve course objectives while applying procedural knowledge gained in RET1264.

**#RET1400, Cardiopulmonary Procedures****3 hrs., 3 crs.**

(Offered spring).

This course introduces the student to the fundamental concepts of hemodynamic monitoring, interventional pulmonary procedures, pulmonary function testing, and related pharmacologic agents.

**#RET1483, Cardiopulmonary Assessment****3 hrs., 3 crs.**

(Offered spring).

This course introduces the student to basic assessment of patients with cardiopulmonary disorders. Topics may include but are not limited to: patient relationship, vital signs, dyspnea, cough and phlegm, chest inspection and palpation, percussion and breath sounds, chemistry, gram stains, and cultures, cardiac function, hematology, liver failure, and diagnostic radiological studies of the lungs.

**#RET1485, Cardiopulmonary Anatomy and Physiology****3 hrs., 3 crs.**

(Offered fall).

This course includes the anatomy and physiology of the cardiopulmonary system incorporating ventilatory mechanics, gas transport, gas laws, acid base physiology, neural/chemical regulation of breathing, and ventilation perfusion relationships with regard to respiratory care.

**+#RET1832, Respiratory Care Clinical I****64 hrs., 1 cr.**

(Offered fall).

Corequisites: \*RET1024, \*RET1024L.

This clinical course requires the student to apply theory and procedural knowledge gained from RET1024 and RET1024L to the patient care setting. Emphasis will include patient assessment and vital signs, principles of infection

prevention and control, bedside monitoring, lung expansion and airway clearance, and delivery of medical gas therapy.

**+#RET1833, Respiratory Care Clinical II****128 hrs., 2 crs.**

(Offered spring).

Prerequisites: \*RET1024, \*RET1024L.

Corequisites: RET1264, RET1264L/1272L.

This clinical course requires the student to apply theory and procedural knowledge gained from RET1264 and RET1264L to the patient care setting. Emphasis will include inhaled medication delivery, hyperinflation therapy, and bronchial hygiene therapy.

**#RET1934, Selected Topics Seminar****1 hr., 1 cr.****\$17.00 lab fee**

(Offered summer).

Advanced Cardiovascular Life Support (ACLS). This course builds on the foundation of lifesaving BLS skills, emphasizing the importance of preventing cardiac arrest, early and continuous high-quality CPR, and high-performing teams resulting in the obtainment of the Advance Cardiovascular Life Support (ACLS) certification. Science and education from the most current American Heart Association Guidelines for CPR and Emergency Cardiovascular Care will be utilized.

**#RET2007, Cardiopulmonary Pharmacology****3 hrs., 3 crs.**

(Offered fall).

This course extends the study of pulmonary pharmacology to include anti-microbial agents, nicotine replacement therapy, neonatal and pediatric drug therapy, critical care medications and drugs to support the failing cardiovascular system.

**+#RET2280, Respiratory Care IV****3 hrs., 3 crs.**

(Offered fall).

Prerequisites: \*RET2878, \*RET2878L, \*RET2834.

Corequisites: RET2280L, RET2835.

This course will focus on the thorough review of mechanical ventilation with emphasis on adult applications. Included is etiology of respiratory failure, methods of providing positive pressure ventilation, prescribing machine settings and managing patient ventilator interactions, monitoring hemodynamics and gas exchange, weaning/extubation techniques and advanced modes of mechanical ventilation.

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**+#RET2280L, Respiratory Care IV Lab****4 hrs., 2 crs.****\$412.00 lab fee**

(Offered fall).

Prerequisites: \*RET2878, \*RET2878L, \*RET2834.

Corequisites: RET2280, RET2835.

Through practice and performance testing, the student will demonstrate mastery in the application of advanced modes of mechanical ventilation, ventilator graphics and waveforms, and specialty gases. Review of non-invasive ventilation, basic mechanical ventilation, and caring for critically ill patients are emphasized. Simulation will be utilized to enhance learning and achieve course objectives while applying procedural knowledge gained in RET2280.

**+#RET2714, Respiratory Care V****3 hrs., 3 crs.**

(Offered spring).

Prerequisites: RET2835.

Corequisites: RET2714L, RET2836.

This course will focus on fetal growth and development, the examination and evaluation of labor, delivery, and physiological changes after birth, techniques of neonatal resuscitation and stabilization, techniques of Pediatric Advanced Life Support, assessment of the neonatal and pediatric patient, medications used in neonatal and pediatric respiratory therapy, neonatal and pediatric diseases, theories and concepts of neonatal and pediatric ventilatory support, grief and death and dying. Respiratory Care practices in the home care and long-term care settings will be explored and the NBRC Detailed Content Outline will be reviewed.

**+#RET2714L, Respiratory Care V Lab****2 hrs., 2 crs.****\$476.00 lab fee**

(Offered spring).

Prerequisites: \*RET2280, \*RET2280L, \*RET2835.

Corequisites: RET2714, RET2836.

Through practice and performance testing, the student will demonstrate mastery in mechanical ventilation techniques for newborn and pediatric patients resulting in the obtainment of the Neonatal Resuscitation Program (NRP) and Pediatric Advanced Life Support (PALS) certifications. Simulation will be utilized to enhance learning and achieve course objectives while applying procedural knowledge gained in RET2714.

**+#RET2834, Respiratory Care Clinical III****2 hrs., 2 crs.**

(Offered summer).

Prerequisites: \*RET1264, \*RET1264L, \*RET1833.

Corequisites: RET2878, RET2878L.

This clinical course requires the student to apply theory and procedural knowledge gained from RET2878 and RET2878L to the patient care setting. Emphasis will be on critical care procedures, continuous patient monitoring, introduction to mechanical ventilation, and review and interpretation of EKGs and ABGs.

**+#RET2835, Respiratory Care Clinical IV****2 hrs., 2 crs.**

(Offered fall).

Prerequisites: \*RET2878, \*RET2878L.

Corequisites: RET2280, RET2280L.

This clinical course requires the student to apply theory and procedural knowledge gained from RET2280 and RET2280L to the patient care setting. Emphasis will be on advanced modes of mechanical ventilation, ventilator graphics and waveforms, and specialty medical gases.

**+#RET2836, Respiratory Care Clinical V****192 hrs., 3 crs.**

(Offered spring).

Prerequisites: \*RET2280, \*RET2280L, \*RET2835.

Corequisites: RET2714, RET2714L.

This clinical course requires the student to apply theory and procedural knowledge gained from RET2714 and RET2714L to the patient care setting. Emphasis will be on neonatal and pediatric respiratory care.

**+#RET2878, Respiratory Care III****3 hrs., 3 crs.**

(Offered summer).

Prerequisites: \*RET1264, \*RET1264L, \*RET1833.

Corequisites: RET2878L, RET2834.

This course is an introduction to critical care and thinking. Noninvasive ventilation, basic mechanical ventilation, airway care, intubation, and arterial blood gas sampling theory will be of primary focus.

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**+#RET2878L, Respiratory Care III Lab****4 hrs., 2 crs.****\$365.00 lab fee**

(Offered summer).

Prerequisites: \*RET1264, \*RET1264L, \*RET1833.

Corequisites: RET2878, RET2834.

Through practice and performance testing, the student will demonstrate mastery in continuous patient monitoring, mechanical ventilation, airway management, intubation, suctioning, O<sub>2</sub> therapy, EKG's, and ABG's. Simulation will be utilized to enhance learning and achieve course objectives while applying procedural knowledge gained in RET2878 and RET2878L.

**RTE – RADIOLOGIC TECHNOLOGY****+#RTE1000, Introduction to Diagnostic Imaging****2 hrs., 2 crs.**

(Offered spring).

Prerequisite: RTE1111C.

This course covers the organization and operation of a medical imaging department. Radiologic topics include: x-ray equipment operation, historical aspects of radiography, department organizational structure, safety, radiation protection, pharmacology, infection control, aseptic and nonaseptic techniques, medical law, professional ethics and conflict resolution, health records, professional development, certification, and accreditation.

**+#RTE1111C, Introduction to Patient Care****2 hrs., 2 crs.****\$17.00 lab fee**

(Offered fall).

Prerequisite: Program admission.

An introduction to the principles and practices of patient care during radiographic examinations. Topics include medical legal issues, patient assessment and communication, patient care and safety, infection control, surgical asepsis, vital signs and oxygen administration, electrocardiography, medical emergencies, trauma and mobile considerations, and the care of pediatric and geriatric patients.

**+#RTE1418, Principles of Radiographic Exposure I****3 hrs., 3 crs.**

(Offered fall).

Prerequisite: Program admission.

The fundamentals of atomic structure, magnetism, electricity, and radiation physics as they relate to the principles of x-ray production will be presented. Topics will include the factors that govern and influence the

production of an image, image acquisition, and image receptor systems. Also, technical factors of image quality including theory and application of exposure factors, filtration, and beam limitation will be presented.

**+#RTE1457, Principles of Radiographic Exposure II****4 hrs., 4 crs.**

(Offered spring).

Prerequisite: RTE1418.

A continuation of RTE 1418 with emphasis on computerized and digital radiography principles and equipment operations, picture archiving and communication systems, digital receptors, image acquisition and analysis, fluoroscopy equipment, quality control, advancements in medical imaging, and continuous quality improvement.

**+#RTE1503, Radiographic Positioning and Procedures I****3 hrs., 3 crs.**

(Offered fall).

Prerequisite: Program admission.

Corequisite: RTE1503L.

This course is designed to prepare the student for practical experience in the clinical setting. Topics include basic anatomy and radiographic positioning of the human body in examination of the chest, abdomen upper extremities, humerus, and shoulder girdle. Special considerations for pediatric patients and geriatric patients will be discussed. Additionally, the student will be introduced to mobile exams, trauma situations, and cross-anatomy of the chest, abdomen, upper extremities, humerus, and shoulder girdle as seen in the transverse, coronal, and sagittal planes using CT and MRI images.

**+#RTE1503L, Radiographic Positioning and Procedures Lab I****30 hrs., 1 cr.**

(Offered fall).

Prerequisite: Program admission.

Corequisite: RTE1503.

Practical application of theory taught in RTE1503 class. Students practice positioning techniques relating to radiography of the chest, abdomen, upper extremities, humerus, and shoulder girdle. Special considerations for pediatric patients, geriatric patients, mobile exams, and trauma situations will be discussed.

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**+#RTE1513, Radiographic Positioning and Procedures II  
3 hrs., 3 crs.**

(Offered spring).

Prerequisite: RTE1503.

Corequisite: RTE1513L.

This course is designed to prepare the student for practical experience in a clinical setting. Topics include basic anatomy and radiographic positioning of the human body in examination of the lower extremities, pelvic girdle, spine, and bony thorax. Special considerations for pediatric patients and geriatric patients will be discussed. Additionally, the student will be introduced to mobile exams, trauma situations, and cross-sectional anatomy of the lower extremities, pelvis, spine, and bony thorax as seen in the transverse, coronal, and sagittal planes using CT and MRI images.

**+#RTE1513L, Radiographic Positioning and Procedures  
Lab II**

**30 hrs., 1 cr.**

(Offered spring).

Prerequisite: RTE1503L. Corequisite: RTE1513.

Practical application of theory taught in RTE1513 class. Students practice positioning techniques relating to radiography of the lower extremities, pelvic girdle, spine, and bony thorax. Special considerations for pediatric patients, geriatric patients, mobile exams, and trauma situations will be discussed.

**+#RTE1523, Radiographic Positioning and Procedures III  
2 hrs., 2 crs.**

(Offered summer).

Prerequisite: RTE1513.

Corequisite: RTE1523L.

This course is designed to prepare the student for practical experience in the clinical setting. Topics include basic anatomy and radiographic positioning of the human body in examination of the head and upper and lower gastrointestinal systems. Special considerations for geriatric and pediatric patients will be discussed. Additionally, the student will be introduced to mobile exams, trauma situations, and cross-sectional anatomy of the head and upper and lower gastrointestinal systems as seen in the transverse, coronal, and sagittal planes using CT and MRI images.

**+#RTE1523L, Radiographic Positioning and Procedures  
Lab III**

**30 hrs., 1 cr.**

(Offered summer).

Prerequisite: RTE1513L.

Corequisite: RTE1523.

Practical application of theory taught in RTE 1523. Students practice positioning techniques relating to radiography of the skull, facial bones, sinuses, and upper and lower gastrointestinal systems. Special considerations for pediatric patients, geriatric patients, mobile exams, and trauma situations will be discussed.

**+#RTE1804, Clinical Education I**

**216 hrs., 3 crs.**

**\$110.00 lab fee**

(Offered fall).

Prerequisites: Current certification in cardiopulmonary resuscitation, all required program immunizations, physical exam report on file in the document management system.

Corequisite: RTE1111C.

Observation and application of health care principles will be the focus of this clinical rotation. The student will spend time orienting to the medical facility, learning to understand the departmental process and procedures, and becoming familiar with the flow of the radiology department. The student will begin to apply the radiographic principles and skills taught in RTE1503 and will perform exams under direct and indirect supervision of a clinical preceptor.

**+#RTE1814, Clinical Education II**

**216 hrs., 3 crs.**

(Offered spring).

Prerequisite: RTE1804.

Observation and application of the primary healthcare principles will be the focus of this clinical rotation. The student will begin to apply the radiographic principles and skills taught in RTE1503 and RTE1513 and will perform exams under direct and indirect supervision of a clinical preceptor.

**+#RTE1824, Clinical Education III**

**288 hrs., 4 crs.**

(Offered summer).

Prerequisites: RTE1814.

Observation and application of the primary of healthcare principles will be the focus of this clinical rotation. The student will continue to build on the radiographic

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principles and skills taught in RTE1503 and RTE 1513. In addition, the student will begin applying the principles taught in RTE1523 and will perform exams under direct and indirect supervision of a clinical preceptor.

**+#RTE2061, Radiography Seminar**

**2 hrs., 2 crs.**

(Offered spring).

Prerequisite: RTE2834.

An in depth review of American Registry of Radiologic Technology (ARRT) certification in Radiologic Science. Emphasis is placed on patient care, radiation protection, equipment operation and maintenance, image production and evaluation, and overall radiographic procedure.

**+#RTE2385, Radiobiology and Radiation Protection**

**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: RTE1457.

The student will study the interactions and effects of ionizing radiation on cells, tissues, and the human body. In addition, the student will learn the principles of radiation protection and the safety requirements of regulatory agencies related to radiography.

**#RTE2563, Advanced Medical Imaging**

**3 hrs., 3 crs.**

(Offered fall).

This course prepares the student to perform trauma, mobile, urinary, and advanced medical imaging exams. Students will learn how to perform venipuncture in this course. This course introduces the student to advanced imaging modalities in computerized tomography, magnetic resonance imaging, ultrasonography, nuclear medicine, surgical radiography, mammography, bone densitometry, interventional vascular imaging, cardiovascular imaging and radiation therapy. In addition, the topic of artificial intelligence in medical imaging will be introduced.

**#RTE2584, Mammography**

**3 hrs., 3 crs.**

(Offered fall).

This course is offered to registered radiographers, in good standing with the American Registry of Radiologic Technologists (ARRT) and to radiography students currently enrolled in the radiography program. This course is designed to fulfill the 45 hours of mammography education required by the ARRT to be eligible to apply for the national certification in Mammography. The course covers the anatomy and pathologies of the breast identified through imaging, routine and special imaging

projections of the breast to include proper exposure factors, radiation safety, and the components and procedures of a quality assurance program.

**+#RTE2762, Sectional Anatomy**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisites: BSC2086, BSC2086L.

Identification of normal and abnormal anatomic structures of the skull, neck, thorax, reproduction, central nervous, cardiovascular, and musculoskeletal systems by the use of cross-sectional imaging modalities.

**+#RTE2782, Radiographic Pathology**

**2 hrs., 2 crs.**

(Offered spring).

Prerequisite: RTE1111C.

The objective of this course is to introduce the disease processes most frequently encountered in the radiology department. The etiology, pathogenesis, treatment, and resolution of each disease is discussed with an attempt to relate recent advances in these areas. Emphasis is placed on radiologic diagnosis and the relationship of the radiographic appearance of the disease to its anatomic, physiologic, and pathologic characteristics.

**+#RTE2834, Clinical Education IV**

**360 hrs., 5 crs.**

**\$90.00 lab fee**

(Offered fall).

Prerequisites: RTE1824.

Observation and application of primary healthcare principles is the focus of this clinical rotation. The student will continue to build on the radiographic principles and skills taught in RTE1503, RTE1513, and RTE1523 and will perform exams under direct and indirect supervision of a clinical preceptor. In addition, the student will begin clinical rotations into the surgical suite and computed tomography.

**+#RTE2844, Clinical Education V**

**360 hrs., 5 crs.**

(Offered spring).

Prerequisite: RTE2834.

Observation and application of primary healthcare principles will be the focus of this clinical rotation. The student will continue to build on the radiographic principles and skills taught in RTE1503, RTE1513, and RTE1523 and perform exams under direct and indirect supervision of a clinical preceptor. In addition, the student

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will begin clinical rotations into advanced imaging modalities for observation only.

### SLS – STUDENT LIFE SKILLS (LEARNING)

#### SLS1201, Personal Development

**3 hrs., 3 crs.**

The course is aimed toward improving self-esteem of the student. Motivation, interpersonal relationships, study skills, basic academic skill level, and future potential of the individual are examined. (A student cannot receive credit for SLS 1300 or SLS 1302 and SLS 1201). This course is highly recommended for students who test into two or more developmental courses.

#### SLS1301, College and Career Management

**3 hrs., 3 crs.**

(Offered fall and spring).

Emphasis is placed on academic, personal, and interpersonal skills that will equip the student with the skills necessary to succeed in college and the creation of a sense of career importance. This course will include a study of basic financial principles including federal financial aid, debt management, how to borrow and save money responsibly, how and why to save for retirement, and budget development. This course is highly recommended for students who test into two or more developmental courses.

#### SLS2264, Leadership Development Seminar

**3 hrs., 3 crs.**

This course encourages participants to develop their leadership potential by discovering the style that works best with their personal strengths and beliefs. The student will build skills for communication, conflict resolution, positive motivation, team building, and decision making. Community service is a required component to this course to expand the students understanding of citizenship and to provide a platform for expanding their newly acquired leadership skills.

### SON – SONOGRAPHY

#### +#SON1000, Introduction to Sonography

**1 hr., 1 cr.**

(Offered spring).

Prerequisite: Program acceptance.

This course is an introduction to the profession of sonography and the role of the sonographer. Emphasis is on medical terminology, ethical/aspects, written and

verbal communication, patient care and professional issues relating to registry, accreditation, professional organizations, and history of the profession.

#### +#SON1052, Sonography Pathology

**4 hrs., 4 crs.**

(Offered fall).

Prerequisite: SON1144.

This course is designed to enhance the student's knowledge of normal and abnormal anatomy. Emphasis is placed on sonographic appearance, both normal and pathological. Clinical scenarios will enable the student to apply information in the clinical setting, and encourage the necessary critical thinking skills. Case studies and study questions will evaluate the student's comprehension of the topic.

#### +#SON1100, Principles and Protocols of Sonography Imaging

**2 hrs., 2 crs.**

(Offered summer).

Prerequisite: \*SON1000.

A basic introduction to sonographic scanning of the abdomen, pelvis, vascular systems with laboratory practice and application.

#### +#SON1111, Abdominal Sonography I

**3 hrs., 3 crs.**

(Offered fall).

Prerequisites: \*SON1100.

This course is designed to correlate the sonographic anatomy, physiology, and pathology, including but not limited to, the abdominal cavity, organs and abdominal vasculature. The course will emphasize features and characteristics of normal and abnormal anatomy including pathologies while integrating clinical and diagnostic procedures common to and specific to each organ.

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**+#SON1112, Abdominal Sonography II**  
**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: \*SON1111.

This course is a continuation of SON1111. Focus will be on review and supplemental pathological findings of intra- and retroperitoneal organs, clinical and diagnostic procedures common to and specific to each organ, neonatal and pediatric abdominal imaging, and neonatal hips and neurosonography. Advancements in sonographic imaging to include new innovations in equipment and techniques will also be included.

**+#SON1121, OB/GYN Sonography I**  
**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: SON1100.

This course is designed to give the sonography student an understanding of the anatomy, physiology, and pathology of the gravid and non-gravid female pelvis. The student will be introduced to the first trimester of pregnancy including related anatomy, physiology, possible pathology and/or complications. Embryology, early fetal development, sonographic identification and imaging of the embryo and fetus, trans-abdominal and trans-vaginal scanning techniques will be included.

**+#SON1122, OB/GYN Sonography II**  
**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: \*SON1121.

This course is a continuation of SON1121 and is designed to give the student detailed instruction as to the role of sonography during the second and third trimesters of pregnancy. Fetal development, physiology, all major anomalies, and maternal complications directly related to the second and third trimesters of pregnancy will be discussed in detail.

**+#SON1144, Superficial Structures**  
**1 hr., 1 cr.**

(Offered summer).

Prerequisite: SON1112.

The course is an overview emphasizing the sonographic features and characteristics of normal and abnormal anatomy of the superficial structures. These include, but are not limited to, the male pelvis and scrotum, breasts, and neck and thyroid while integrating clinical and diagnostic procedures pertinent to each area.

**+#SON1170, Sonography of the Circulatory System**  
**2 hrs., 2 crs.**

(Offered summer).

Prerequisite: SON2113.

An introduction to the hemodynamics of the circulatory systems and the sonographic imaging and Doppler assessment of the cardiac and vascular structures.

**+#SON1211, Medical Sonography Physics**  
**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: \* Program acceptance.

This course is designed to present the Sonography student with detailed explanations of sound physics and instrumentations. The fundamental properties of diagnostic ultrasound stressing the operation of diagnostic ultrasound equipment, images and Doppler system, pulse wave, and continuous wave transducers, artifacts, focusing characteristics, tissue interactions, biological effects, and quality assurance methods will be discussed and evaluated.

**+#SON1214, Practical Aspects of Sonography**  
**1 hr., 1 cr.**

(Offered spring).

Prerequisite: Program acceptance.

A study of the principles of diagnostic ultrasound and practical aspects of scanning techniques, image critique, image identification, and patient care and handling as related to sonographic examination. Stressing operation of diagnostic equipment and routine images obtained.

**+#SON1804, Clinical Education I**  
**90 hrs., 1 cr.****\$168.00 lab fee**

(Offered summer).

Prerequisite: SON1214.

This course introduces the patient/sonographic role in a simulated clinical environment. It is designed to subject the students to clinical situations as they become familiar with the role and responsibilities of a sonographer. A portion of the clinical hours will take place in the college campus sonography setting.

**+#SON1814, Clinical Education II**  
**270 hrs., 3 crs.****\$164.00 lab fee**

(Offered fall).

Prerequisite: SON1804.

This course applies the principles learned in SON1111 and SON1121 to supervised practice in the college campus

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sonography lab setting. The student will receive sonographic instruction by performing a variety of sonographic examinations, initiation of sonographic protocols, appropriate operation of equipment, and exam documentation.

**+#SON1824, Clinical Education III**

**360 hrs., 4 crs.**

**\$163.00 lab fee**

(Offered spring).

Prerequisite: SON1814.

This course is designed to apply the principles learned in SON1112, SON1122, and SON2175 to actual clinical rotations. The student will receive sonographic instruction by performing a variety of sonographic examinations, demonstrating appropriate operation of equipment, providing patient care, and documenting exam results. A portion of the clinical hours will take place in the college campus sonography lab setting.

**#SON2061, Sonography Review**

**2 hrs., 2 crs.**

(Offered fall).

This course provides a comprehensive review of the entire Sonography Program content. Physics review will include all material covered in SON1211, SON1170, SON2171, SON2175, and includes a physics mock registry exam(s). Abdominal review includes all material covered in SON1111, SON1112, SON1144, and includes an abdomen mock registry exam(s). Obstetrics and Gynecology includes material covered in SON1121, SON1122, and includes an OB/GYN mock registry exam(s).

**+#\*SON2113, Cross-Sectional Anatomy**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: Program acceptance.

This course is designed to prepare the student to identify internal structures including organs and vasculature that are important to the objectives of Diagnostic Medical Sonography. The students will build upon their entry level gross anatomy knowledge base to develop their cross-sectional anatomic recognition skills. Sonographic scanning protocols will be included relative to the anatomy being studied, which will serve as a linkage to the clinical environment.

**+#SON2171, Introduction to Vascular Sonography**  
**3 hrs., 3 crs.**

(Offered fall).

Prerequisite: \*SON1170.

This course introduces the fundamental theory and skills necessary for the evaluation of vascular disease using noninvasive technique. Hemodynamics, instrumentation, vascular anatomy, physiology and physical principles are emphasized. Cerebrovascular, peripheral arterial and venous testing are included in this course.

**+#SON2175, Vascular Sonography**

**3 hrs., 3 crs.**

(Offered spring).

Prerequisite: \*SON2171.

This course is a continuation of the material covered in SON1170. Sonographic imaging and Doppler assessment/analysis of both normal and abnormal flow patterns of the cerebrovascular and peripheral vascular systems are emphasized as well as interpretation of test results.

**+#SON2834, Clinical Education IV**

**360 hrs., 4 crs.**

(Offered summer).

Prerequisite: \*SON1824.

Working under indirect supervision, the student will apply knowledge and scanning skills learned in superficial structures. Student will apply appropriate scanning techniques to obtain diagnostic images of the male reproductive system, breasts and thyroid. Students will continue to apply knowledge and scanning skills of abdominal, OB/GYN and vascular exams while exercising independent judgment relative to the entirety of the sonographic examinations being performed.

**+#SON2844, Sonography Clinical Education V**

**450 hours, 5 crs.**

(Offered fall).

Prerequisite: \*SON2834.

Students will perform under indirect supervision while exercising independent judgment relative to the entirety of the sonographic examinations being performed and to generally progress to the point of being recognized as a competent entry level sonographer. The student will apply didactic knowledge and performance scanning skills to obtain and complete the required ARRT competency sonographic exams, further mastering of all skills gained and emphasizing OB/GYN, Superficial Structures, Vascular and Abdominal examination techniques. The student must

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demonstrate patient preparation, exam protocol and image evaluation to include identifying normal and abnormal anatomy.

**+#SON2930, Special Topics in Sonography**

**1 hr., 1 cr.**

Prerequisite: Must be currently enrolled in a sonography program, a practicing sonographer, or have consent from the program coordinator.

This course introduces the fundamental theory and skills necessary for the evaluation of selected topics. Selection of the topic will be determined by student and clinical needs.

**SOW – SOCIAL WORK**

**SOW2020, Introduction to Social Work**

**3 hrs., 3 crs.**

(Offered fall).

This course is an introduction to an analysis of the relationship of social problems and their determinants to clients, social welfare institutions, services, policies, and social service delivery systems.

**SPC – SPEECH COMMUNICATION**

**SPC1300, Interpersonal Communication**

**3 hrs., 3 crs.**

(Offered fall and spring).

Theory and practice in the process and dynamics of human communication skills in one-to-one interactions. Emphasis on developing interpersonal and intrapersonal communication skills, verbal and nonverbal communication, cultural communication competencies, and conflict management skills.

**SPC1420, Group Discussion**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Theory and practice in the process and dynamics of group discussion. Emphasis on techniques for the problem-solving or decision-making group.

**SPC1608, Introduction to Public Speaking**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Verbal elements of public speaking (purpose, organization, development, style, and methods of presentation of the message and relationship of the message to specific audiences) and nonverbal elements of public speaking

(body action, voice, and general bearing). Designed to meet the practical needs of the general student.

**SPN – SPANISH LANGUAGE**

**SPN1120, First-Year Spanish I**

**4 hrs., 4 crs.**

(Offered fall, spring, and summer).

This course aims to develop basic communicative skills in Spanish, including speaking, listening, writing and reading, and to apply those skills to gain knowledge of other cultures. By the end of this course students will be able to communicate in Spanish about a variety of topics including greetings and questions, daily activities at a university, family relationships, leisure-time activities, and a house or personal residence. A minimum grade of "C" in SPN1120 must be attained in order to enroll for SPN1121.

**+SPN1121, First-Year Spanish II**

**4 hrs., 4 crs.**

(Offered fall, spring, and summer).

Prerequisite: \*SPN1120.

This course is a continuation of SPN1120. Successful completion of SPN1120 with a minimum grade of "C" is required. This course will continue to develop basic communicative skills in Spanish, including speaking, listening, writing and reading, and to apply those skills to gain knowledge of other cultures. By the end of this course, students will be able to communicate in Spanish about a variety of topics including health and the body, food, shopping, holidays, travel, relationships, professions, and the environment. A minimum grade of "C" in SPN1121 must be attained in order to enroll for SPN2200.

**+SPN2200, Second-Year Spanish I**

**4 hrs., 4 crs.**

(Offered fall and spring).

Prerequisites: \*ENC1101 and \*SPN1121 or equivalent.

This course aims to develop intermediate communicative skills in Spanish, including speaking, listening, writing, and reading. Readings and audiovisual materials dealing with Spanish culture and civilization favor grammar review and expansion, as well as oral practice.

**+SPN2201, Second-Year Spanish II**

**3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: SPN2200 or consent of instructor.

This course is a continuation of SPN2200 with emphasis on conversation with authentic cultural materials. Authentic listening, reading, and audiovisual materials based on everyday culture and civilization of people from Spain and

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Hispanic America, basic grammar review, intermediate-level grammar, and development of listening, reading, writing, and speaking skills in the intermediate level.

### STA – STATISTICS

#### •+\*STA2023, Statistics

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

Prerequisite: Successful completion of developmental courses, appropriate placement test scores or meet state exemption requirement. In this course, students will utilize descriptive and inferential statistical methods in contextual situations, using technology as appropriate. The course is designed to increase problem-solving abilities and data interpretation through practical applications of statistical concepts. This course is appropriate for students in a wide range of disciplines and programs. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator, they must see their instructor in advance for approval. (The combination of STA2023 and STA2122 will not meet the six-hour math General Education requirement. An additional three hours in math will be required.)

#### +STA2122, Statistical Applications in Social Sciences I 4 hrs., 4 crs.

(Offered spring).

Prerequisite: Satisfactory score on math placement test or a minimum grade of "C" in MAT1033. A graphing calculator is required. The TI-83/84 are the only allowable calculators for test days. If a student wishes to use any other calculator they must see their instructor in advance for approval.

Topics include summarization of data, sample mean and standard deviation, probability, probability distributions, normal distribution, statistical estimation, testing hypotheses, linear correlation/regression, chi-square distributions, ANOVA and non-parametric statistics. This course provides a more in-depth study of statistics than STA2023. (The combination of STA2023 and STA2122 will not meet the six-hour math General Education requirement. An additional three hours in math will be required.)

### STS – SURGICAL TECHNOLOGY STUDIES

#### +\*\*STS1310, Surgical Techniques and Procedures 75 hrs., 5 crs.

(Offered spring).

Prerequisite: \*HSC1000.

Corequisite: STS1310L.

Course introduces the discipline of surgery, the surgical team, and the perioperative care of the patient (preoperative, intraoperative, and postoperative). Emphasis is placed on the duties of the surgical technologist in the assistant circulator, first scrub and second scrub roles. Topics include the physical environment, attire, legal/ethical responsibilities, aseptic technique, chart review, infection control, equipment, instrumentation, supplies, methods of disinfection and sterilization, sterile storage and distribution, hazards of the environment, principles of electricity and robotics, environmental sanitation, principles of wound healing and wound management, and the typical sequence of surgery. Skills include patient identification, positioning, skin prep, urinary catheterization, counts, draping, incisions, exposure, hemostasis, application of catheters, drains and dressings and specimen care. An introduction to patient assessment and the specialties of surgery is included.

#### +\*\*STS1310L, Surgical Techniques and Procedures Lab 110 hrs., 2 crs.

**\$504.00 lab fee**

(Offered spring).

Prerequisites: HSC1000L.

Corequisite: STS1310.

Course prepares students for the application of the roles of assistant circulator, second scrub and first scrub roles. Skills includes the principles of sterile technique, the preoperative preparation of the patient, the use and preparation of surgical instrumentation, use of surgical supplies, tissue replacement materials, preparation of suture, passing of instruments and the surgical setup. Skills include the application of sterile technique, transfer of patient, positioning, skin prep, preparation of sterile supplies, the identification and passing of instrumentation, specialty equipment usage, and universal case setup. Simulation lab exercises will include role rotation during common surgical procedures such as a breast biopsy, hernia repair and laparoscopic cholecystectomy.

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**#\*STS1340C, Pharmacology and Anesthesia****60 hrs., 3 crs.****\$45.00 lab fee**

(Offered fall, spring, and summer).

This course is designed to introduce students to most commonly used pharmacological agents utilized for surgical patients in each phase of the perioperative experience and those utilized in the treatment of complications and emergencies. Emphasis is placed on preoperative medications, anesthetics and medications utilized within the sterile field stressing identification, preparation, measurements, management within the sterile field, handling/transfer, and usage. Other topics include pain management, airway and respiratory management, IV fluid and electrolyte replacement therapy, and a comparison of the types of anesthesia, physiological effects, complications and treatment. Includes 15 hours of hands on training.

**+\*#STS1940C, Introduction to Surgery Clinical****170 hours, 2 crs.****\$78.00 lab fee**

(Offered spring).

Prerequisite: \*HSC1000L.

Corequisite: STS1310L.

Combined course provides orientation to the operating room environments and novice level assignments including case prep, room turnover, central sterile, observation, circulating, patient care sequencing assignments, and initial scrub experiences. Preconference preparation and assignments prepare the student for the clinical assignment.

**+\*#STS2323, Surgical Procedures I****60 hrs., 4 crs.**

(Offered summer).

Prerequisite: STS1310, STS1310L.

Course is designed to prepare students for surgical procedures including the review of surgical anatomy, physiology, pathophysiology, relevant equipment, supplies, and techniques regarding general surgery, endoscopic surgery, gynecological and obstetrical surgery, genitourinary surgery, orthopedic surgery, and otorhinolaryngological surgery (ear, nose and throat), diagnostic procedures and relevant equipment, supplies, and techniques. Depth of coverage will be determined by the Core Curriculum for Surgical Technologists published by the Association of Surgical Technologists.

**+\*#STS2323L, Surgical Simulation Lab I****55 hrs., 1 cr.****\$303.00 lab fee**

(Offered summer).

Prerequisite: STS1310, STS1310L.

Corequisite: STS2323.

Course introduces student to instrumentation usage and identification, completion of core mock surgical procedures to facilitate the student's ability to anticipate the steps of the procedure and permits the evaluation of the student's performance regarding the critical elements of the surgical technologist's responsibilities.

**+\*#STS2324, Surgical Procedures II****45 hrs., 3 crs.**

(Offered fall).

Prerequisite: STS2323, STS2323L.

Course is designed to prepare students for specialty surgical procedures including the review of surgical anatomy, physiology, pathophysiology, relevant equipment, supplies, and techniques regarding plastic and reconstructive surgery, maxillary/mandibular surgery, oral surgery, neurosurgery, cardio thoracic surgery, peripheral vascular surgery, trauma and surgery for all ages. Depth of coverage will be determined by the current edition of the Core Curriculum for Surgical Technologists published by the Association of Surgical Technologists.

**+\*#STS2324L, Surgical Simulation Lab II****55 hrs., 1 cr.****\$284.00 lab fee**

(Offered fall).

Prerequisite: STS2323, STS2323L.

Corequisite: STS2324.

Course prepares student for the completion of specialty mock surgical procedures to facilitate the student's ability to anticipate the steps of the procedure and permits the evaluation of the student's performance regarding the critical elements of the surgical technologist's responsibilities.

**+\*#STS2330C, Principles of Surgical Assisting****65 hrs., 2 crs.****\$435.00 lab fee**

(Offered fall and spring).

Prerequisite: STS2323 or nationally accredited certification as a surgical technologist (CST).

Course provides an in-depth study of the SFA role including history, professional, legal, moral, and ethical responsibilities. Review of healthcare facility information, documentation, and risk management. Topics include:

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instrument usage, trocar/incisions, tissue handling, dissection, exposure, hemostasis, retraction, suturing, wound healing, tissue replacement materials, irrigation, specimen care, catheter/drain placement, surgical hazard management, IV fluid/auto-transfusion techniques, medication administration, and wound management. Patient care skills include: interview/history techniques, physical assessment, diagnostic exams, planning, patient education, patient monitoring, and perioperative patient care skills. Application of principles includes: the technological sciences, infection control, sterile technique, disinfection and sterilization and problem solving regarding the prevention and treatment of potential complications or emergencies. Includes on-site lab simulation.

**+#\*STS2335, Advanced Integrated Surgical Sciences  
30 hrs., 2 crs.**

(Offered fall, spring, and summer).

Prerequisite: Nationally accredited certification as a surgical technologist (CST).

Corequisite: STS2336.

Course prepares student for the advanced detail of surgical anatomy, physiology. Includes a review of the common function and structures of the human body including the surface anatomy. Other topics include relevant medical terminology, pathophysiology, etiology, disease, chemistry, microbiology, physics, and the technological sciences and congenital anomalies that are commonly encountered during surgical related interventions. In addition, pathology classification, cellular injury, types of necrosis, inflammation, types of injury, nutritional and metabolic pathologies, immunological disorders, neoplastic disorders, circulatory pathologies, hemodynamic management, and pain management will be included.

**+#\*STS2336, Advanced Surgical Procedures for the Surgical Assistant  
30 hrs., 2 crs.**

(Offered fall, spring, and summer).

Prerequisite: Nationally accredited certification as a surgical technologist (CST).

Corequisite: STS2335.

Prepares surgical technologist students with the additional core knowledge to assist with surgical procedures. Includes relevant preoperative diagnosis, common complications, surgical sequence, pharmacology, instrumentation, equipment, operative pathophysiology, and postoperative care for common surgical procedures

that may require a surgical assistant. Core surgical specialties to be covered include the services of general, gynecologic and obstetric, otolaryngology, genitourinary, and orthopedic, ophthalmic, plastic and reconstructive, neurosurgery, vascular, and cardiothoracic.

**#\*STS2361, The Art of Teamwork in Surgery  
15 hrs., 1 cr.**

(Offered fall, spring, and summer).

This course will introduce student to the principles of Human Factors science as applied to the system of care, teaching them about the skills needed to function effectively and safely in teams in a modern surgical environment. The course will cover the background psychology of interpersonal interactions and the evidence from other industries on the barriers to safe and effective team communication and cooperation. Students will develop their teamwork and communication skills, explore the principles of hierarchy and power distance, personal styles and coping strategies, situational awareness, secure communications loops, use of checklists and standard operating procedures, how to deal with team dysfunction, leadership, followership, effective briefing and debriefing, models of risk and error in health care, and the principles of risk minimization in systems involving humans.

**#\*STS2365, Professional Skills for the OR Team  
15 hrs., 1 cr.**

(Offered fall, spring, and summer).

This course will introduce students to the principles of professionalism including such topics as how to work well with many different people/cultures, how to demonstrate respect for and place value on different perspectives, the importance of providing and responding to constructive criticism, mechanisms which can help the individual work well under pressure, discussions regarding the willingness to work hard, discussions regarding multi-tasking and safety procedures which can enhance the ability to complete a variety of tasks simultaneously, the importance of professional organizations, the credentialing process, and how to work within the committee process.

**#\*STS2366C, Surgical Assistant Professional Skills  
45 hours, 2 crs.**

**\$213.00 lab fee**

(Offered spring).

This course is designed to prepare the student to effectively function in the role of surgical first assistant. Assignments will explore job description, employment

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options and career opportunities. Didactic, clinical and/or simulation assignments will include advanced surgical first assistant technical skills, critical analysis such as diagnostic and assessment data analysis, selecting the correct option for patient care and wound management, professional skills including ethics, interprofessional skills, communication, conflict resolution, change management, leadership, followership, mentoring others, interviewing techniques, liability, risk management responsibilities, and effective documentation.

**#\*STS2367, Management in Healthcare**  
**30 hrs., 2 crs.**

(Offered fall, spring, and summer).

Introduces the basics of management in the healthcare setting for the supervisor to middle management level includes interpersonal skills, budget management, inventory management, performance appraisal, and policy formation.

**+##STS2370, Surgical Assisting Clinical**  
**240 hrs., 2 crs.**

**\$64.00 lab fee**

(Offered fall, spring, and summer).

Prerequisite: Nationally accredited certification as a surgical technologist (CST).

SFA clinical internship which includes the evaluation of the student's performance regarding the critical elements of the surgical first assistant's responsibilities. The course is designed to prepare students for preoperative, intra-operative, and postoperative surgical procedure experiences.

**#STS2936, Surgical Certification Symposium**  
**15 hrs., 1 cr.**

(Offered fall, spring, and summer).

Course provides instruction, guidance, and preparation for the surgical specialist to enter the surgical field as a professional.

**+##STS2944C, Surgical Clinical I**  
**250 hrs., 3 crs.**

**\$21.00 lab fee**

(Offered summer).

Prerequisite: STS1940C.

This is a combined clinical course designed to prepare students for preoperative, intraoperative, and postoperative surgical procedure experiences. Preconference and case preparation prepares students to gain experiences in the role of the scrub, assistant circulator, and second assistant. Performance evaluation

includes surgical techniques, sterile technique, medication administration, prevention of wrong site surgery, prevention of foreign body retention, safe work practices, work attitudes, professional ethics, legal requirements, reporting, documentation, and efficiency in the work arena. Students gain hands-on experience in the application of surgical techniques under the supervision of their preceptor and surgeon for the case. Depth of coverage, role performance, and case completion requirements for graduation are determined by the current edition of the Core Curriculum for Surgical Technologists as published by the Association of Surgical Technologists.

**+##STS2945C, Surgical Clinical II**  
**250 hrs., 3 crs.**

**\$331.00 lab fee**

(Offered fall).

Prerequisite: STS2944C.

This is a combined clinical course designed to prepare students for preoperative, intra-operative, and postoperative surgical procedure experiences. Preconference and case preparation prepares students to gain experiences in the role of the scrub, assistant circulator, and second assistant. Performance evaluation includes surgical techniques, sterile technique, medication administration, prevention of wrong site surgery, prevention of foreign body retention, safe work practices, work attitudes, professional ethics, legal requirements, reporting, documentation, and efficiency in the work arena. Students gain hands-on experience in the application of surgical techniques under the supervision of their preceptor and surgeon for the case. Depth of coverage, role performance, and case completion requirements for graduation are determined by the current edition of the Core Curriculum for Surgical Technologists as published by the Association of Surgical Technologists.

**#\*STS2953, Surgical Technologist Portfolio I**  
**15 hrs., 1 cr.**

(Offered summer).

This course is designed to prepare students for the surgical setting and employment by incorporating case preparation techniques into a final document describing their experiences and course work preparing them for a lifetime of continuing education. Activities will include the design of their own student portfolio which will document their accomplishments in the program, presentations, journals, papers, case preparation, and their experiences in the clinical setting.

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**#\*STS2954, Surgical Technologist Portfolio II****15 hrs., 1 cr.**

(Offered fall, spring, and summer).

This course is designed to prepare students for the surgical setting and employment by incorporating case preparation techniques into a final document describing their experiences and course work preparing them for a lifetime of continuing education. Activities will include the design of their own student portfolio which will document their accomplishments in the program, presentations, journals, papers, case preparation, and their experiences in the clinical setting.

**SYG – SOCIOLOGY, GENERAL****SYG2000, Principles of Sociology****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

In this course, students will gain an understanding of the basic sociological concepts and vocabulary, including the methodological tools, sociological perspectives, and scientific procedures used by social scientists to collect data and conduct research. Topics generally include: society and culture, institutions, socialization, influences, crime, change, groups, sex, race and ethnicity, family, class, and population.

**SYG2010, Social Problems****3 hrs., 3 crs.**

(Offered fall, spring, and summer).

The course provides an introduction to the concepts, theories, and methods of the sociological study of social problems. Major topics include: the origins and trends of social problems and their associated solutions with a focus on poverty and inequality, racism, sexism, substance abuse, crime and violence, urban and environmental problems, technology, and social change.

**SYG2430, Marriage and Family Living****3 hrs., 3 crs.**

(Offered fall and spring).

This course is an analysis of courtship, mate selection, engagement, marriage, and child rearing, with emphasis on the contemporary American family.

**TAR – TECHNICAL ARCHITECTURE****+#TAR2122, Residential Architectural Design****1 hr., 1 cr.**

(Offered fall).

Prerequisite: ARC1302C. Corequisite: TAR2122L.

A continuation of Architectural Drafting with emphasis on light construction principles. The student will design a multi-level residence and develop all details, presentation drawings, and a scale model.

**+#TAR2122L, Residential Design Lab****6 hrs., 3 crs.**

(Offered fall).

Prerequisite: ARC1302C.

Corequisite: TAR2122.

Investigation and implementation of TAR 2122 lecture content with emphasis on drafting solutions using computer-aided design system.

**+TAR2154, Commercial Architectural Design****1 hr., 1 cr.**

(Offered spring).

Prerequisite: ARC1302C. Corequisite: TAR2154L.

A continuation of Architectural Drafting with emphasis on structural and mechanical systems design. Students will design a commercial building of their choice, making a complete set of details and presentation drawings. Emphasis will be placed on using computer-aided design and equipment software.

**+TAR2154L, Commercial Design Lab****6 hrs., 3 crs.**

(Offered spring).

Prerequisite: ARC1302C. Corequisite: TAR2154.

Emphasis will be placed on using computer-aided design and equipment software. Investigation and implementation of TAR2154 lecture content with emphasis on drafting solutions using computer-aided design system.

**TAX - TAXATION****#TAX1000, Principles of Taxation I****3 hrs., 3 crs.**

(Offered fall).

A survey of federal income taxation with primary emphasis on the taxation of individuals.

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●General Education Core.

@Civic Literacy.

+Prerequisite and/or corequisite required.

#Applies only to A.S. degree and certificate programs.

\*Minimum grade of "C" required.

=Career Certificate course.

< Denotes career development courses that are part of the Florida Criminal Justice Standards and Training Advanced Course Series. Students must be affiliated with a criminal justice agency and have approval from the agency head or the academy director prior to enrolling.

**THE – THEATRE STUDIES AND  
GENERAL RESOURCES**

**THE1925, Play Production**

**3 hrs., 1 cr.**

(Offered fall).

Participation in theatrical productions with work in preparation and performance, including both acting and technical fields. (May be repeated up to three times for credit.)

•**THE2000, Understanding Theatre**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

(Meets Fine Arts Humanities requirement). In this course, students will explore dramatic structure, techniques, and various organizational elements. The course provides an introduction to theatre as a collaborative art form through the critical analysis of its historical context, production, theory and connections to theatrical literature, including the Western canon.

**THE2071, Survey of Film**

**3 hrs., 3 crs.**

(Offered fall, spring, and summer).

An introduction to film analysis. A look at the artistic and technical elements of filmmaking. Topics include: narrative, genre, cinematography, acting, editing, sound, film history, filmmaking technologies and production systems. Through this course, students develop criteria for evaluating and enjoying films. Online E-book optional.

**+THE2305, Script Analysis**

**3 hrs., 3 crs.**

(Offered as needed).

Prerequisites: THE2000, TPP2110.

An introduction to dramatic structure and methods of script analysis as a preparation for writing, directing, designing, performing and criticizing plays.

**TPA – THEATRE PRODUCTION AND ADMINISTRATION**

**+\*TPA1210, Stagecraft I**

**3 hrs., 3 crs.**

**\$37.00 lab fee**

(Offered fall and spring).

Corequisite: TPA1290L.

This course serves as an introduction to the technical aspects of theatre. It will provide a basic understanding of tools and their operation in set construction along with providing opportunities to apply that knowledge. In

addition, this course will cover other backstage topics such as painting, AV hookup, and basic electrical safety.

**+\*TPA1211, Stagecraft II**

**3 hrs., 3 crs.**

**\$37.00 lab fee**

(Offered fall and spring).

Prerequisite: \*TPA1210, \*TPA1290L.

Corequisite: TPA1291L.

This class serves as a continuation of TPA1210 and TPA1290L. This class focus on advanced construction, rigging, and basic scenic sculpting.

**TPA1220, Introduction to Stage Lighting**

**3 hrs., 3 crs.**

(Offered fall and spring).

This course is an introduction to the fundamentals of lighting the stage, including a basic introduction to electricity, stage lighting instrumentation and control, color science, and an introduction to lighting design to create theatrical mood and interpretation of a production. Work outside of class on productions is required. Students will serve on lighting crews for hands-on application of the classroom material.

**+\*TPA1290L, Technical Theatre Lab I**

**3 hrs., 2 crs.**

(Offered fall and spring).

Corequisite: \*TPA1210.

This lab provides students the opportunity to gain practical experience in the safe use of tools and equipment used in set construction. In addition, this course will provide students with opportunities to work backstage as production and run crew.

**+\*TPA1291L, Technical Theatre Lab II**

**3 hrs., 2 crs.**

(Offered fall and spring).

Prerequisites: \*TPA1210, \*TPA1290L.

This lab serves as a continuation of TPA1210 and TPA1290L allowing students to gain practical experience in technical theatre skills. This class will focus on set construction, rigging, and basic scenic sculpting.

**\*TPA1340, Drafting for the Theatre I**

**3 hrs., 3 crs.**

(Offered fall).

Students will receive instruction on the use of AutoCAD 2015 drawing techniques and how to use them in theatrical application. Through instruction, exercises,

•General Education Core.

@Civic Literacy.

#Applies only to A.S. degree and certificate programs.

+Prerequisite and/or corequisite required.

=Career Certificate course.

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\*Minimum grade of "C" required.

and projects, students will demonstrate competence in the use of computer and hand drafting.

**TPA2070, Scenic Painting and Sculpting**

**3 hrs., 3 crs.**

**\$36.00 lab fee**

(Offered fall and spring).

This course is an introduction to the tools, materials, and techniques used to paint and sculpt scenery for the theatre.

**+\*TPA2072, Advanced Scenic Painting Sculpting**

**3 hrs., 3 crs.**

**\$36.00 lab fee**

(Offered fall and spring).

Prerequisite: \*TPA2070.

This course is an introduction to the tools, materials, and techniques used to paint scenery for the theatre. Assigned practical work in supervised production activities outside of class is required, with a minimum of 15 hours for the term.

**TPA2212, Sound for the Stage**

**3 hrs., 3 crs.**

(Offered fall).

This course is an introduction to the application and principles of theatre sound. The course includes training in the use and maintenance of theatre sound equipment, recording and editing sound effects, and training in electronic sound reinforcement.

**+TPA2221, Advanced Stage Lighting**

**3 hrs., 3 crs.**

(Offered fall and spring).

Prerequisite: \*TPA1220.

This course is a continuation of TPA1220, Introduction to Stage Lighting, with more emphasis on lighting design, and for developing a lighting design portfolio. Work outside of class on productions is required. Qualified students will be given design assignments on productions.

**+\*TPA2292L, Technical Theatre Lab III**

**3 hrs., 2 crs.**

(Offered fall and spring).

Prerequisite: \*TPA1291L.

This course focuses on developing crew heads and team leaders within the program. Students will be assigned crew role based on the needs of the upcoming GCSC productions and student's chosen area of focus. Students in TPA2292L are expected to serve as leaders and mentors

to students currently enrolled in TPA1290L and TPA1291L. While, this course continues to expand the students technical skills and knowledge, there is a high degree of focus on problem solving and applying the knowledge gained in TPA1290L/1291L in the unpredictable backstage environment.

**+\*TPA2293L, Technical Theatre Lab IV**

**3 hrs., 2 crs.**

(Offered fall and spring).

Prerequisite: \*TPA1291L.

The course includes practical experience in the backstage operations of a theatre. The course will emphasize skills in working independently with a high level sense of responsibility for the work assigned. The concentration of this course will vary depending on the skills of students and the needs of the theatre.

**+\*TPA2341, Drafting for the Theatre II**

**3 hrs., 3 crs.**

(Offered as needed).

Prerequisite: \*TPA1340.

Students will receive instruction on the use of AutoCad 2015 drawing techniques and how to apply them to theatrical applications. Through instruction, exercises and projects, students will gain confidence in the use of computer drafting.

**TPA2930, Special Topics in Entertainment Technologies**

**3 hrs., 3 crs.**

(Offered as needed).

This class is offered for qualifying students in their final semester before graduation with the A.S. degree in Entertainment Technology. Students will produce work, both individually and in small groups, to demonstrate their competencies in all areas within the program. Individual projects will be designed for students to showcase their strengths as well as to improve upon their weaknesses. These projects will be assessed by members of the instructional program, fellow students, and invited industry professionals. Permission of instructor is required.

●General Education Core.

@Civic Literacy.

+Prerequisite and/or corequisite required.

#Applies only to A.S. degree and certificate programs.

\*Minimum grade of "C" required.

=Career Certificate course.

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**TPP – THEATRE PERFORMANCE AND PERFORMANCE TRAINING****TPP1500, Movement Techniques for the Theatre  
3 hrs., 3 crs.**

(Offered as needed).

In-depth study of inner resources: Believable action through developing imagination, observation, concentration, sense recall, emotional response as preparation for stage movements, crosses, gesturing, body positions, motivation and stage business. Practical application of move-ment studies will be made through class use of scenes from plays or one-act plays.

**TPP1700, Voice Techniques for the Theatre  
3 hrs., 3 crs.**

(Offered as needed).

In-depth study of improving voice techniques, oral reading, retelling stories, interpreting lines and memorization. Application of techniques will be made through reading poetry, scenes and scripts for commercials, television, and radio. Voice for the theatre and amplified voice techniques are included.

**TPP2110, Acting I  
3 hrs., 3 crs.**

(Offered fall).

Study of the acting process, including basic acting techniques, preparation, improvisation, role-playing, text analysis, and character development with emphasis on a truthful and honest approach.

**+TPP2111, Acting II  
3 hrs., 3 crs.**

(Offered spring).

Prerequisite: TPP2110 or consent of instructor. Advanced study of characterization through the use of effective preparation, the review of essential acting techniques, and the application of these in monologues, scenes, and audition pieces.

**TPP2250, Introduction to Musical Theatre  
3 hrs., 3 crs.**

(Offered as needed).

Study of musical theatre analysis, creation, and performance applied through the study of voice, dance, and acting.

**+TPP2300, Directing I  
3 hrs., 3 crs.**

(Offered as needed).

Prerequisites: THE2000 and TPP2110 or permission of instructor.

Introduction to the fundamental principles and techniques of play direction to include script selection and analysis, casting, composition, picturization, blocking, interpretation, and staging of plays.

**+TPP2930, Selected Topics in Theatre Performance  
3 hrs., 3 crs.**

(Offered as needed).

Prerequisite: TPP2110.

Rotating topics in theatre performance such as period acting styles, advanced scene study, creation of new works, circus training, and stage combat. May include field work as part of the curriculum. (May be repeated up to two times for credit).

**WOH – WORLD HISTORY****WOH2012, World History I  
3 hrs., 3 crs.**

(Offered fall and spring).

This course provides a survey of civilizations from ancient times to the modern era, including a study of change and continuity over time. Multiple regions will be included so as to present history from a global perspective.

(Students are advised to take either WOH2012/2022 or EUH1000/1001.)

**WOH2022, World History II  
3 hrs., 3 crs.**

(Offered fall and spring).

This course provides a survey of world civilizations from the modern period to contemporary times, including a study of change and continuity over time. Multiple regions will be included so as to present history from a global perspective.

(Students are advised to take either WOH2012/2022 or EUH1000/1001.)

•General Education Core.

@Civic Literacy.

#Applies only to A.S. degree and certificate programs.

+Prerequisite and/or corequisite required.

=Career Certificate course.

< Denotes career development courses that are part of the Florida Criminal Justice Standards and Training Advanced Course Series. Students must be affiliated with a criminal justice agency and have approval from the agency head or the academy director prior to enrolling.

\*Minimum grade of "C" required.

## Florida's Statewide Course Numbering System

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 by 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 at <http://flscns.fldoe.org>.

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

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 *Exceptions to the General Rule for Equivalency*.

For example, a freshman composition skills course is offered by 84 different public and nonpublic 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 nonregionally 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 Nonregionally Accredited Institutions

The SCNS makes available on its home page (<http://flscns.fldoe.org>) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all nonpublic 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 and appeals regarding course credit transfer decisions should be directed to Dr. Holly Kuehner, Office of the Vice President for Academic Affairs, Gulf Coast State College, 5230 West Highway 98, Panama City, FL 32401 or to the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the SCNS office at (850) 245-0427 or at <http://flscns.fldoe.org>.

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