

**BUSINESS,  
INDUSTRY,  
TECHNOLOGY, &  
MANUFACTURING  
PATHWAY**

**2024-25**





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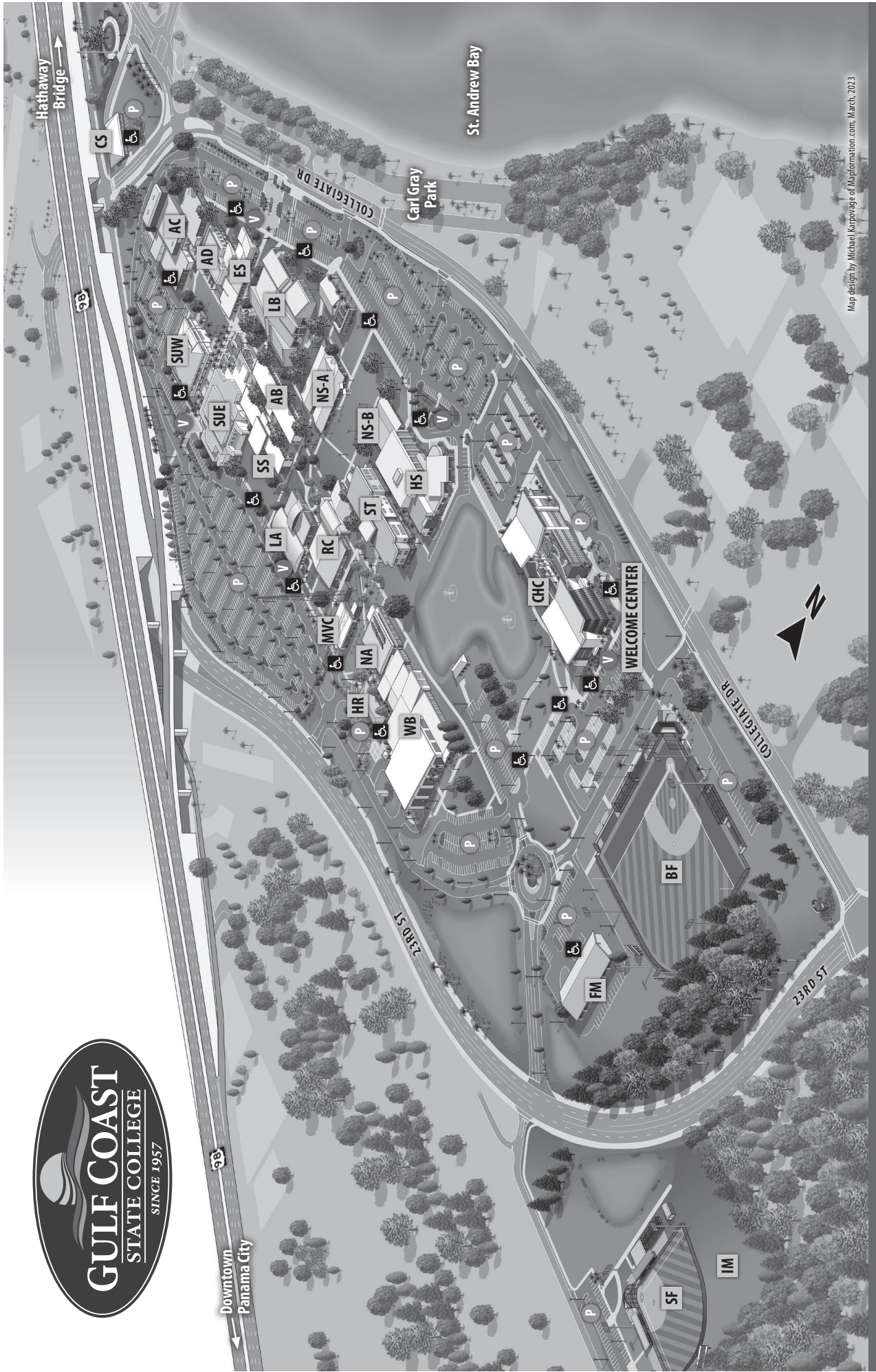
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Map design by Michael Karpavage of MapInformation.com, March, 2023

# PANAMA CITY CAMPUS

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<b>AC</b>	Amelia G. Tapper Center for the Arts	<b>ES</b>	Enrollment Services Building <i>(Admissions/Financial Aid/Foundation)</i>	<b>SUE</b>	Student Union East <i>(Navigation Center)</i>
<b>AB</b>	J.R. Asbell Building	<b>FM</b>	Facilities Maintenance	<b>SUW</b>	Student Union West <i>(Bookstore/Testing/TRIO/VBOC)</i>
<b>AD</b>	Administration Building	<b>HR</b>	Human Resources	<b>WB</b>	Wellness Building/Fitness Center
<b>BF</b>	Baseball/Bill Frazier Field	<b>HS</b>	Health Sciences Building	<b>P</b>	Parking Lots
<b>CHC</b>	Charles Hilton Center/Welcome Center <i>(John Holley Dining Room/WKGC/ Dual Enrollment)</i>	<b>IM</b>	Intramural Field	<b>V</b>	Visitor Parking
<b>CS</b>	CareerSource/EDA	<b>LA</b>	Language & Literature Building	<b>♿</b>	Accessible Parking
<b>NA</b>	Natatorium/Pool	<b>LB</b>	Library		
<b>NS-A/B</b>	Natural Sciences Buildings				
<b>RC</b>	Rosenwald Junior College Classroom Building				
<b>SF</b>	Softball/Joe Tom King Field				
<b>SS</b>	Social Sciences Building				
<b>ST</b>	STEM Center				
<b>MVC</b>	Military and Veterans Resource Center				
<b>LA</b>	Language & Literature Building				
<b>RC</b>	Rosenwald Junior College Classroom Building				
<b>ST</b>	STEM Center				
<b>CHC</b>	Charles Hilton Center/Welcome Center				
<b>WELCOME CENTER</b>	Charles Hilton Center/Welcome Center				

**Fall 2024 (202408)      Spring 2025 (202501)      Summer 2025 (202505)**

2024 - 2025 College Calendar		Session A 8/19 - 12/13	Session B 8/19 - 10/11	Session C 10/14 - 12/13	Session A 1/6 - 5/2	Session B 1/6 - 2/28	Session C 3/3 - 5/2	Session A 5/7 - 8/1	Session B 5/7 - 6/18	Session C 6/19 - 8/1
Early Registration for Students Receiving Veteran Benefits from GCSC	March 29	March 29	March 29	March 29	November 1	November 1	November 1	March 28	March 28	March 28
Open Registration for all campuses (Excludes Sat., Sun., & holidays) See In - service Day below.*	April 1	April 1	April 1	April 1	November 4	November 4	November 4	March 31	March 31	March 31
<b>First time in college students must attend an orientation session to be eligible for registration.</b>										
<b>Web registration will be available when college is closed except for scheduled maintenance windows.</b>										
Registration Fees Due	August 9	August 9	(After August 9, fees due at point of registration)	January 3	January 3	January 3	(After January 3, fees due at point of registration)	May 6	May 6	(After May 6, fees due at point of registration)
Classes Begin	August 19	August 19	October 14	January 6	January 6	January 6	March 3	May 7	May 7	June 19
State Employee Fee Waiver Registration	August 19 - 23	August 19 - 23	October 14 - 15	January 6 - 10	January 6 - 10	January 6 - 10	March 3 - 4	May 7 - 8	May 7 - 8	June 19 - 23
Drop/Add	August 19 - 23	August 19 - 23	October 14 - 15	January 6 - 10	January 6 - 10	January 6 - 10	March 3 - 4	May 7 - 8	May 7 - 8	June 19 - 23
Last day to submit residency fee waiver documentation (by 4:00 p.m.)	August 23	August 23	October 15	January 10	January 10	January 10	March 4	May 8	May 8	June 23
Last day to cancel registration/drop courses and receive a refund (by 11:59 p.m.)	August 23	August 23	October 15	January 10	January 10	January 10	March 4	May 8	May 8	June 23
Last day to change major and credit to audit	August 23	August 23	October 15	January 10	January 10	January 10	March 4	May 8	May 8	June 23
Midterm	October 11	September 16	November 12	February 28	January 31	January 31	April 4	June 18	May 28	July 11
Student Initiated Withdrawal deadline	October 18	September 23	November 19	March 7	February 7	February 7	April 11	June 25	June 4	July 18
Final Examinations	December 6 - 12	October 9 - 11	December 9 - 12	April 25 - May 1	February 27 - 28	February 27 - 28	April 28 - May 1	July 30 - 31	June 17 - 18	July 30 - 31
Term Ends	December 13	October 11	December 13	May 2	February 28	February 28	May 2	August 1	June 18	August 1
Grades available via Banner	December 17	October 15	December 17	May 6	March 4	March 4	May 6	August 5	June 20	August 5
Graduation Application deadline	September 30	September 30	September 30	February 17	February 17	February 17	February 17	June 2	June 2	June 2
Honors Convocation				April 25						
Commencement				May 2						
<b>Colleges closed for all students</b>										
*In-Service Day	August 14			January 21						
Student Holidays -	August 31 - September 2			January 2 - 3				May 24 - 26		
Classes will not be held on these days	November 11			January 18 - 21 *				July 4		
	November 27 - December 1			March 15 - 21						
	December 16 - January 1									
	December 16 - January 1									
Faculty - Christmas Break / New Year										
<b>Colleges closed for all students and employees</b>										
Memorial Day								May 24 - 26		
Independence Day								July 4		
Labor Day	August 31 - September 2									
Veteran's Day	November 11									
Thanksgiving Holidays	November 28 - December 1									
Christmas Break / New Year's Holiday	December 23 - January 1									
Martin Luther King, Jr. Day				January 18 - 20						
Spring Break				March 15 - 21						

*Gulf 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.*

# Welcome to Gulf Coast and to the Business, Industry, Technology, and Manufacturing Pathway!

## Guided Pathways

Guided Pathways are a GCSC endeavor to provide students with an academic plan that guides students along a path to reach their academic and career goals. By grouping fields of study by similarities, students can explore options that reflect their interests, experience the best preparation for success, and efficiently pursue university transfer of their chosen field.

The six Guided Pathways are identified as the following:

- **Business, Industry, Technology, and Manufacturing**
- **Health Sciences**
- **Humanities, Arts, Design, and Communication**
- **Public Safety**
- **Science, Technology, Engineering, and Mathematics**
- **Social, Behavioral Sciences, and Education**

**Pathway Navigators** provide initial academic advising and assist students in finding their way around GCSC. The Pathway Navigator is assigned to the broader Pathway and is knowledgeable about the general “area”.

**Faculty Advisors** work with students to provide more in-depth guidance about the students’ chosen program of study. Faculty Advisors are knowledgeable about the specific major or program of study, and work with students to enhance their university transfer or professional opportunities upon program completion.

Programs, majors, and degrees are organized within the Guided Pathways to help students explore their options. The Science, Technology, Engineering, and Mathematics Pathway (STEM) is designed for students who are interested in careers in sciences, medicine, engineering, and mathematics. Students will gain and develop skills such as critical thinking, analytical skills, innovation skills, and advanced inquiry skills that will position them to excel in their chosen career.

**The Student Navigation Center** is located on the second floor of Student Union East. Appointments with Pathway Navigators can be made through MYGCSC.

*Disclaimer: Gulf Coast State College makes every reasonable effort to provide accurate information in the contents of this catalog but reserves the right to make changes at any time without prior notice.*

Curriculum in this catalog is up to date as of May 10, 2024

## Business, Industry, Technology, and Manufacturing Pathway

The Pathway Navigator for BITM is located on the second floor of the Student Union East.

The following programs of study are included in the BITM Pathway:

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

#### BITM Baccalaureate Degrees

Digital Media

Organizational Management

Technology Management

**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 Associate in Arts Degree

#### BITM University Transfer Tracks

GEN ED: BITM

Accounting

Architecture

Business Administration

Computer Engineering

Computer Science

Economics for Business

Engineering Technology/Building Construction

Health Services Administration

Recreation: Leisure Services Management

**Associate in Arts (A.A.) 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.

### The Associate in Science Degree

#### BITM Associate in Science Degrees

Accounting Technology

Architectural Design and Construction Technology

Business Administration and Management

Culinary Management

Cybersecurity

Digital Media/Multimedia Technology

Engineering Technology

Hospitality and Tourism Management

Network Systems Technology

Software and Database Developer

Unmanned Vehicle Systems Operations

**Associate in Science (A.S.) Degrees** – The Associate in Science (A.S.) 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 A.S. degree may transfer to the university as part of a statewide articulation agreement. However, the intent of these programs is to prepare the graduate to enter the workforce.

The A.S. 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 sciences/mathematics, behavioral science/social science, and communications.

### Certificate Programs

#### BITM Certificate Programs

Accounting Applications

Alternative Energy Systems Specialist

Business Specialist

Chef's Apprentice

CNC Machinist



Composite Fabrication and Testing  
Culinary Arts  
Digital Media/Multimedia Production  
Digital Media/Multimedia Video Production  
Digital Media/Multimedia Web Production  
Engineering Technology Support Specialist  
Network Server Administration  
Rapid Prototyping Specialist

**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.

**College Credit Certificates (C.C.C)** – 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.

## Advising

**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, and then MYGCSC Registration to register for classes.

As a new degree-seeking student, you will be eligible for registration after **Pathway Orientation** or **Pathway Advising**.

**Faculty Advisor Hold** – All first time in college students will have a Faculty Advisor Hold during their first semester. It is the responsibility of the student to meet with their faculty advisor prior to registering for their second semester.

## 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.

**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.

## Academic Policies

**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

**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 two kinds of withdrawals---student and administrative.

**Total Attempts** – Only Gulf Coast State College courses are counted in attempts. A student can only repeat a course with a "D" or "F" grade. Two withdrawals are permitted

per credit course. On the third attempt, a standard grade will be assigned. A student may enroll three times in each course. On the third attempt and after, a student is assessed full cost of instruction (4 times matriculation). A fourth attempt may be allowed only for students who withdraw or fail due to extenuating circumstances. An exception may be granted only once for each course, provided approval is granted through an academic appeal. The College has the authority to review and reduce fees paid by students, on an individual basis, due to continued enrollment in a course, contingent upon the student's financial hardship. Exceptions may be granted through an academic appeal.

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

**Academic Probation** – Students whose CUMULATIVE GPA is calculated as described below will be placed on Academic Probation. • 1-14 attempted credit hours and an earned GPA of 1.49 or lower • 15-29 attempted credit hours and an earned GPA of 1.74 or lower • 30 or more attempted credit hours and an earned GPA of 1.99 or lower. To be removed from Academic Probation, a student must achieve a minimum cumulative GPA of 2.0. Students on Academic Probation are limited to 6 credit hours.

**Academic Suspension** – Students who have been placed on Academic Probation and have not earned a minimum cumulative GPA of 2.0 during their probation term, will be placed on Academic Suspension for the following term (fall, spring, summer). Students on Academic Suspension must meet with a counselor prior to registering for classes.

## Tutorial Services

The College provides tutorial support to Gulf Coast students in English, reading and mathematics.

**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.

**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.

**ACE Tutoring Lab** – The ACE Tutoring Lab is located in the Advanced Technology Center, Room 225 and offers free tutoring to students in accounting, economics, and CGS1570 classes. Students are encouraged to come do their homework or projects in the lab so they can ask questions while they do the work.

**Science Tutoring Lab** – The Science Tutoring Lab, located in the Asbell Business Building in Room 205, offers free tutoring for students with any science courses such as biology, chemistry, and physics. There are also computers available so students can watch course videos and utilize online resources.

## Placement Testing

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

- ACT, SAT, or CLT scores may be used for placement provided that the scores are less than two years old and meet state-mandated minimum score levels.
- If ACT, SAT, or CLT scores are lower than the state-mandated minimum scores, the student may take Florida's Postsecondary Education Readiness Test (PERT).
- 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 Evaluation Specialist to determine whether a placement test is required.

Active-duty members of the United States Armed Services qualify for **Flexible Placement**.

**Traditional Placement** – Prospective students who entered the 9<sup>th</sup> 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, CLT, ACT, SAT) to the college to assist Pathway Navigators in determining the student's readiness for college-level English and mathematics.

**Flexible Placement** – Prospective students who entered the 9<sup>th</sup> 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 PERT 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, SAT, or CLT scores at or above the state minimum that are less than two years old. See the following page for the Traditional Placement scores for College-Level Placement.

In Accordance with Florida Statute, a degree-seeking student has a maximum of two attempts on the 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>.



# TESTING CENTER

## Schedule your

- PERT
- Civic Literacy Exam
- CLEP
- GCSC exams & more!



# TESTING CENTER

(850) 769-1551 ext. 3594

[testingcenter@gulfcoast.edu](mailto:testingcenter@gulfcoast.edu)

Student Union West,  
Room 80 (First Floor)

[gulfcoast.edu/testing-services](https://www.gulfcoast.edu/testing-services)

*Providing high-quality testing and assessment services for students*



## Test Score Worksheet for Placement (valid for two years from testing date)

Subtest	PERT	CLT	ACT	SAT DIGITAL NEW	SAT OLD	Course Placement
Writing & Reading	103-150 (W) 106-150 (R)	38***	17 (E) & 19 (R)	490	24	ENC 1101 – English Composition I
Writing & Reading	86-102 (W) 86-105 (R)	36***	15 (E) & 17 (R)	450	22	ENC 1101C – Enhanced English Composition I
Writing	50-85	Must take PERT to determine placement	Must take PERT to determine placement	Must take PERT to determine placement	Must take PERT to determine placement	ENC 0022 – Developmental Writing I & II
Reading	50-85	Must take PERT to determine placement	Must take PERT to determine placement	Must take PERT to determine placement	Must take PERT to determine placement	REA 0019 – Developmental Reading I & II
Math	138-150 & 276-300 (AAF)*	26 or higher Must take AAF 276-300 (AAF)*	28-36	540	27	MAC 2311 – Calculus with Analytical Geometry I Students who place into MAC2311 must have completed a trigonometry course.
Math	138-150 & 250-275 (AAF)*	26 or higher Must take AAF 250-275 (AAF)*	23-27	510	25.50	MAC 1114 – Plane Trigonometry MAC 1140 – Pre-calculus Algebra MAC 2233 – Calculus for Business & Social Science
Math	123-150	19-25	20-22	490	24.50	MAC 1105 – College Algebra STA 2122 – Applied Statistics in Social Science
Math	114-122	16-18	19	480	24.00	STA 2023 – Statistics MGF 1106 – Math for Liberal Arts MGF 1130 – Mathematical Thinking MGF 1107 – Survey of Mathematics **MAT 1033 – Intermediate Algebra
Math	50-113	Must take PERT to determine placement	Must take PERT to determine placement	Must take PERT to determine placement	Must take PERT to determine placement	MAT 0012 – Developmental Arithmetic with Algebra

\*\*\* = Sum of Verbal Reasoning and Grammar/Writing Subtests

\*\* = MAT 1033 does not meet General Education requirements

\* = Advanced Algebra of Functions (Accuplacer Next Generation) effective as of 05/01/2020

# BUSINESS, INDUSTRY, TECHNOLOGY, & MANUFACTURING PATHWAY



- Digital Media:
  - Digital Production
  - Web Development
- Organizational Management:
  - Corporate Entrepreneurship
  - Emergency Management
  - Health Services Administration
- Technology Management:
  - Cybersecurity Management
  - Software Development



# Bachelor of Applied Science in Digital Media (BAS) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Faculty Advisor: *Erika Goines and Caleb Jordan*

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.

## Communications (6 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4
- ENC1102 English Composition II+\* 3
- \_\_\_\_\_

## Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- ARH2050 Art History I 3
- ARH2051 Art History II 3
- ARH2060 History of Architecture 3
- MUL2010 Understanding Music● 3
- MUL2110 Survey of Music Literature 3
- THE2000 Understanding Theater● 3
- THE2071 Survey of Film 3
- \_\_\_\_\_

### Humanities 2–Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Introduction to Philosophy●+\* 3
- PHI2600 Ethics+\* 3
- PHI2620 Environmental Ethics+\* 3
- PHI2635 Biomedical Ethics+\* 3
- REL2121 Intro. to Religion in America+\* 3
- REL2300 Religions of the World+\* 3
- SPN2200 Second Year Spanish I+\* 4
- \_\_\_\_\_

### Humanities 3–Literature

Prerequisite ENC1102 with grade "C" or higher.

- AML2010 Amer. Lit. through the Civil War+\* 3
- AML2020 Amer. Lit: Reconst.–Present+\* 3
- AML2600 African-American Literature+\* 3
- ENG2111 Literature and Film+\* 3
- ENL2012 Eng. Lit. through the 18<sup>th</sup> Century+\*3
- ENL2022 Eng. Lit.: Romantics to Present+\* 3
- LIT2000 Literature and Culture●+\* 3
- LIT2040 World Drama+\* 3
- LIT2090 Contemporary Literature+\* 3
- LIT2110 World Lit.: Ancient–Renaissance+\* 3
- LIT2120 World Lit.: Enlightenment–Present+\*3
- LIT2380 Women in Literature+\* 3
- \_\_\_\_\_

## Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

## Mathematics (6 credits)

Two courses from Mathematics. At least one course must be a core course (●).

- MGF1107 Survey of Mathematics+\* 3
- MGF1130 Mathematical Thinking●+\* 3
- STA2023 Statistics●+\* 3
- STA2122 Statistical Applications+\* 4
- MAC1105 College Algebra●+\* 3
- MAC1114 Plane Trigonometry+\* 3
- MAC1140 Pre-Calculus Algebra+\* 3
- MAC2233 Business Calculus+\* 3
- MAC2311 Calculus with Geometry I●+\* 4
- MAC2312 Calculus with Geometry II+\* 4
- MAC2313 Calculus with Geometry III+\* 4
- MAP2302 Differential Equations+\* 3
- \_\_\_\_\_

## Natural Sciences (6 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●).

### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1025 Intro. to General Chemistry+ 3
- CHM1032 General, Organic, Biochemistry+ 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- GLY1032 Natural Disasters 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY1023 Survey of General Physics+ 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3
- \_\_\_\_\_

### Biological Sciences

- BOT2800 Plants & Society 3
- BSC1005 General Biological Science● 3
- BSC1020 Human Biology 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3
- BSC2311 Introduction to Marine Biology 3
- \_\_\_\_\_

## Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●).

### Behavioral Sciences

- ANT2000 Introduction to Anthropology● 3
- ECO2013 Principles of Economics, Macro● 3
- PSY2012 General Psychology● 3
- GEA1000 World Regional Geography 3
- SYG2000 Principles of Sociology 3
- \_\_\_\_\_

### History

- Global
- EUH1000 Western Civilization I 3
- EUH1001 Western Civilization II 3
- WOH2012 World History I 3
- WOH2022 World History II 3
- \_\_\_\_\_

### U.S.

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3
- \_\_\_\_\_

### Government

- Global
- CPO2002 Comparative Government 3
- U.S.
- POS2041 American Nat'l Government●@ 3
- POS2112 State & Local Government 3

## AA or AS Technical Requirements (42 Credits)

- CGS1103 Proj. Man. Concepts & 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 Comp. Graphics Digital Designers I 3

## Electives (18 hours)

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

## Digital Media Foundation/Core (27 Credits)

- GEB3213 Bus. Comm. Profess. Effectiveness 3
- CGS3092 Legal and Ethical Issues+ 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

## Digital Production Specialization (15 Credits)

- DIG3525 Digital Production Studio I+ 3
- DIG3526 Digital Production Studio II+ 3
- DIG3553 Interactive Media Design+ 3
- DIG3343 Broadcast Graphics+ 3
- DIG3451 Visual Storytelling+ 3

## Web Development Specialization (15 Credits)

- COP3834 Dev. Websites using PHP w/MySQL+ 3
- COP3855 Adv. Web Animation (JQUERY)+ 3
- ISM4548 Web Analytics+ 3
- DIG3512 Digital Optimization & Analytics+ 3
- DIG3716 Interface Design+ 3

## Other Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)
- Foreign Language Requirement**  
Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language

# Bachelor of Applied Science in Organizational Management (BAS)

2024 - 2025

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.

## Communications (6 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4
- ENC1102 English Composition II+\* 3
- \_\_\_\_\_ 3

## Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

### Humanities 1-Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- ARH2050 Art History I 3
- ARH2051 Art History II 3
- ARH2060 History of Architecture 3
- MUL2010 Understanding Music● 3
- MUL2110 Survey of Music Literature 3
- THE2000 Understanding Theater● 3
- THE2071 Survey of Film 3

### Humanities 2-Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Introduction to Philosophy●+\* 3
- PHI2600 Ethics+\* 3
- PHI2620 Environmental Ethics+\* 3
- PHI2635 Biomedical Ethics+\* 3
- REL2121 Intro. to Religion in America+\* 3
- REL2300 Religions of the World+\* 3
- SPN2200 Second Year Spanish I+\* 4

### Humanities 3-Literature

Prerequisite ENC1102 with grade "C" or higher.

- AML2010 Amer. Lit. through the Civil War+\* 3
- AML2020 Amer. Lit: Reconst.–Present+\* 3
- AML2600 African-American Literature+\* 3
- ENG2111 Literature and Film+\* 3
- ENL2012 Eng. Lit. through the 18<sup>th</sup> Century+\* 3
- ENL2022 Eng. Lit.: Romanticism to Present+\* 3
- LIT2000 Literature and Culture●+\* 3
- LIT2040 World Drama+\* 3
- LIT2090 Contemporary Literature+\* 3
- LIT2110 World Lit.: Ancient–Renaissance+\* 3
- LIT2120 World Lit.: Enlightenment–Present+\* 3
- LIT2380 Women in Literature+\* 3
- \_\_\_\_\_ 3

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Faculty Advisor: \_\_\_\_\_

Cara Pattinato

## Mathematics (6 credits)

Two courses from Mathematics.

At least one course must be either MAC1105 or STA2023.

- MGF1107 Survey of Mathematics+\* 3
- MGF1130 Mathematical Thinking●+\* 3
- STA2023 Statistics●+\* 3
- STA2122 Statistical Applications+\* 4
- MAC1105 College Algebra●+\* 3
- MAC1114 Plane Trigonometry+\* 3
- MAC1140 Pre-Calculus Algebra+\* 3
- MAC2233 Business Calculus+\* 3
- MAC2311 Calculus with Geometry I●+\* 4
- \_\_\_\_\_ 3

## Natural Sciences (6 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●).

### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1025 Intro. to General Chemistry+ 3
- CHM1032 General, Organic, Biochemistry+ 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- GLY1032 Natural Disasters 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY1023 Survey of General Physics+ 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3

### Biological Sciences

- BOT2800 Plants & Society 3
- BSC1005 General Biological Science● 3
- BSC1020 Human Biology 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3
- BSC2311 Introduction to Marine Biology 3

## Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●).

### Behavioral Sciences

- ANT2000 Introduction to Anthropology● 3
- ECO2013 Principles of Economics, Macro● 3
- PSY2012 General Psychology● 3
- GEA1000 World Regional Geography 3
- SYG2000 Principles of Sociology 3

### History

#### Global

- EUH1000 Western Civilization I 3
- EUH1001 Western Civilization II 3
- WOH2012 World History I 3
- WOH2022 World History II 3

#### U.S.

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3

### Government

#### Global

- CPO2002 Comparative Government 3

#### U.S.

- POS2041 American Nat'l Government●@ 3
- POS2112 State & Local Government 3

## AA or AS Technical Requirements (42 Credits)

- Completed 42 hours

## Organizational Management Core (24 Credits)

- BUL3310 Legal Environ. of Business (FSU)+ 3
- GEB3213 Bus. Comm. for Prof. Effectiveness 3
- FIN4300 Financial Management+ 3
- MAN3240 Applied Organizational Behavior 3
- MAN3303 Princ. Management & Leadership+ 3
- MAN3503 Man., Risk Analysis Decision-Making 3
- MAN4280 Leadership & Change Management 3
- MAN4520 Quality Management (Six Sigma)+ 3

## Corporate Entrepreneurship Specialization (18 Credits)

- ENT3003 Principles Corp. Entrepreneurship 3
- MAR4413 Entrepreneurial Selling 3
- MAN4301 Human Resource Management+ 3
- MAR3802 Entrepreneurial Marketing 3
- FIN4470 Entrepreneurial Finance+ 3
- MAN4900 Capstone+ 3

## Health Services Administration Specialization (18 Credits)

- HSA3553 Legal Issues in Healthcare 3
- HSA3113 Current Trends/Cont. Iss. HlthCare 3
- HSA3700 Found. of Research in Healthcare 3
- HSA4110 Healthcare Organiz. & Management 3
- HSA4160 Strategic Plan. & Mark. Healthcare 3
- HSA4850 Capstone+ 3

## Other Requirements

### General Education Core Requirement

Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences

### Civic Literacy Requirement (@)

Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

### Foreign Language Requirement

Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language

## Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

## Notes

# Bachelor of Applied Science in Technology Management 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Faculty Advisor: *Trendon Ellis*

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.

## Communications (6 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4
- ENC1102 English Composition II+\* 3
- \_\_\_\_\_ 3

## Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

### Humanities 1-Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- ARH2050 Art History I 3
- ARH2051 Art History II 3
- ARH2060 History of Architecture 3
- MUL2010 Understanding Music● 3
- MUL2110 Survey of Music Literature 3
- THE2000 Understanding Theater● 3
- THE2071 Survey of Film 3

### Humanities 2-Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Introduction to Philosophy●+\* 3
- PHI2600 Ethics+\* 3
- PHI2620 Environmental Ethics+\* 3
- PHI2635 Biomedical Ethics+\* 3
- REL2121 Intro. to Religion in America+\* 3
- REL2300 Religions of the World+\* 3
- SPN2200 Second Year Spanish I+\* 4

### Humanities 3-Literature

Prerequisite ENC1102 with grade "C" or higher.

- AML2010 Amer. Lit. through the Civil War+\* 3
- AML2020 Amer. Lit: Reconstr.-Present+\* 3
- AML2600 African-American Literature+\* 3
- ENG2111 Literature and Film+\* 3
- ENL2012 Eng. Lit. through the 18<sup>th</sup> Century+\*3
- ENL2022 Eng. Lit.: Romanticism to Present+\* 3
- LIT2000 Literature and Culture●+\* 3
- LIT2040 World Drama+\* 3
- LIT2090 Contemporary Literature+\* 3
- LIT2110 World Lit.: Ancient-Renaissance+\* 3
- LIT2120 World Lit.: Enlightenment-Present+\*3
- LIT2380 Women in Literature+\* 3
- \_\_\_\_\_ 3

## Mathematics (6 credits)

Two courses from Mathematics.

**At least one course must be either MAC1105 or STA2023.**

- MGF1107 Survey of Mathematics+\* 3
- MGF1130 Mathematical Thinking●+\* 3
- STA2023 Statistics●+\* 3
- STA2122 Statistical Applications+\* 4
- MAC1105 College Algebra●+\* 3
- MAC1114 Plane Trigonometry+\* 3
- MAC1140 Pre-Calculus Algebra+\* 3
- MAC2233 Business Calculus+\* 3
- MAC2311 Calculus with Geometry I●+\* 4
- \_\_\_\_\_ 3

## Natural Sciences (6 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●).

### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1025 Intro. to General Chemistry+ 3
- CHM1032 General, Organic, Biochemistry+ 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- GLY1032 Natural Disasters 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY1023 Survey of General Physics+ 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3

### Biological Sciences

- BOT2800 Plants & Society 3
- BSC1005 General Biological Science● 3
- BSC1020 Human Biology 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3
- BSC2311 Introduction to Marine Biology 3

## Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●).

### Behavioral Sciences

- ANT2000 Introduction to Anthropology● 3
- ECO2013 Principles of Economics, Macro● 3
- PSY2012 General Psychology● 3
- GEA1000 World Regional Geography 3
- SYG2000 Principles of Sociology 3

### History

#### Global

- EUH1000 Western Civilization I 3
- EUH1001 Western Civilization II 3
- WOH2012 World History I 3
- WOH2022 World History II 3

#### U.S.

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3

### Government

#### Global

- CPO2002 Comparative Government 3

#### U.S.

- POS2041 American Nat'l Government●@ 3
- POS2112 State & Local Government 3

## AA or AS Technical Requirements (30 Credits)

- CIS2321 System Analysis & Design+ 3
- CTS1111 Linux+(plus)\* 3
- CTS1650 Network Fundamentals\* 3
- COP2700 Data Structure (SQL) 3
- CGS1103 Project Mgmt. Concepts & Process. 3
- CTS2145Cloud Essentials+\* 3
- CTS1120 Security+(plus)+\* 3
- COP1000 Intro. to Programming Logic 3
- DIG2100 Web Design I 3
- CGS1570 Microcomputer Applications 3

## Technology Management Core (36 Credits)

- GEB3213 Bus. Comm. for Prof. Effectiveness+ 3
- FIN4300 Financial Management+ 3
- MAN3303 Princ. Management & Leadership+ 3
- MAN3503 Man. Risk Analysis Decis.-Making+ 3
- MAN4520 Quality Management (Six Sigma)+ 3
- ISM4548 Web Analytics+ 3
- ISM4318 Agile Project Management+ 3
- ISM4302 Emerging Technology+ 3
- ISM3013 Intro. Inform. Syst. Management+ 3
- ISM4330 Inform. Sec. Policy Admin. & Man.+ 3
- CGS3092 Legal and Ethical Issues+ 3
- MAN4900 Capstone Project+ 3

## Software Development Specialization (18 Credits)

- COP2250 Java Programming I+\* 3
- COP2701 Database Design & Mgmt.+\* 3
- COP2840 Internet Programming+ 3
- COP4864 Client-Side Programming+ 3
- CIS4433 SecDevOps+ 3
- COP3834 Dev. Websites using PHP MySQL+ 3

## CyberSecurity Management Specialization (18 Credits)

- CTS1390 Install. & Config. Windows Serv.+ 3
- CIS2352 Ethical Hacking+ 3
- CTS1651 Cisco Rout. Tech/Rout. Prot. Conc.+ 3
- ISM4323 Network Security Management+ 3
- CIS4200 Penet. Test. & Vulnerability Analysis+ 3
- CIS3122 CyberSecurity Analyst+ 3

## Other Requirements

### General Education Core Requirement

Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences

### Civic Literacy Requirement (@)

Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

### Foreign Language Requirement

Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language

## Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

## Notes



# BUSINESS, INDUSTRY, TECHNOLOGY, & MANUFACTURING PATHWAY



- GEN ED: BITM
- Accounting
- Architecture
- Business Administration
- Computer Engineering
- Computer Science
- Economics for Business
- Engineering Technology/Building Construction
- Health Services Administration
- Recreation: Leisure Services Management





# Accounting Option

## ASSOCIATE IN ARTS (AA)

### 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Tracy Sewell**

#### General Education (36 Hours)

Transfer track programs often require that you take specific general education courses in each general education area. Below are the general education requirements for your program. Consult with your Faculty Advisor if you have any questions.

##### Communications (6 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4
- ENC1102 English Composition II+\* 3
- \_\_\_\_\_ 3

##### Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

##### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- ARH2050 Art History I 3
- ARH2051 Art History II 3
- ARH2060 History of Architecture 3
- MUL2010 Understanding Music● 3
- MUL2110 Survey of Music Literature 3
- THE2000 Understanding Theater● 3
- THE2071 Survey of Film 3
- \_\_\_\_\_ 3

##### Humanities 2–Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3
- PHI2600 Ethics+\* 3
- PHI 2620 Environmental Ethics+\* 3
- PHI2635 Biomedical Ethics+\* 3
- REL2121 Intro. to Religion in America+\* 3
- REL2300 Religions of the World+\* 3
- SPN2200 Second Year–Spanish I+\* 4
- \_\_\_\_\_ 3

##### Humanities 3–Literature

Prerequisite ENC1102 with grade "C" or higher.

- AML2010 Amer. Lit. through the Civil War+\* 3
- AML2020 Amer. Lit: Reconst.–Present+\* 3
- AML2600 African-American Literature+\* 3
- ENG2111 Literature and Film+\* 3
- ENL2012 Eng. Lit. through the 18<sup>th</sup> Century+\*3
- ENL2022 Eng. Lit.: Romantics to Present+\* 3
- LIT2000 Literature and Culture●+\* 3
- LIT2040 World Drama+\* 3
- LIT2090 Contemporary Literature+\* 3
- LIT2110 World Lit.: Ancient–Renaissance+\* 3
- LIT2120 World Lit.: Enlightenment–Present+\*3
- LIT2380 Women in Literature+\* 3
- \_\_\_\_\_ 3

##### Mathematics (6 credits)

Two courses from Mathematics. At least one course must be a core course (●). Students who successfully complete a mathematics course for which a core course option in mathematics is an immediate prerequisite shall be considered to have completed the mathematics core.

- STA2023 Statistics●+\* 3
- MAC2233 Business Calculus+\* 3

##### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

##### Natural Sciences (6 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●).

##### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1032 General, Organic, Biochemistry+ 3
- CHM1040 Fundamentals of Chemistry+ 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- GLY1032 Natural Disasters 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY1023 Survey of General Physics+ 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3
- \_\_\_\_\_ 3

##### Biological Sciences

- BOT2800 Plants & Society 3
- BSC1005 General Biological Science● 3
- BSC1020 Human Biology 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3
- BSC2311 Introduction to Marine Biology 3
- \_\_\_\_\_ 3

##### Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●). History & Government: Students are expected to take one Global course and one U.S. course. See Civic Literacy requirement under Other AA Requirements.

##### Behavioral Sciences

- ECO2013 Principles of Economics, Macro● 3

##### History

###### Global

- EUH1000 Western Civilization I 3
- EUH1001 Western Civilization II 3
- WOH2012 World History I 3
- WOH2022 World History II 3

###### U.S.

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3
- \_\_\_\_\_ 3

##### Government

###### Global

- CPO2002 Comparative Government 3

###### U.S.

- POS2041 American Nat'l Government●@ 3
- POS2112 State & Local Government 3
- \_\_\_\_\_ 3

#### Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

#### Major Electives (18 hours)

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.

- CGS1570 Microcomputer Applications 3
- ACG2001 Financial Accounting I\* 3
- ACG2011 Financial Accounting II+\* 3
- ECO2023 Principles of Economics, Micro 3
- ACG2071 Managerial Accounting+\* 3
- CGS2518 Spreadsheets for Business Env.+ 3

#### Other Electives (6 hours)

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

#### Courses Not Used

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

#### Notes

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

#### Other AA Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

- Foreign Language Requirement**  
Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language

# Architecture Option

## ASSOCIATE IN ARTS (AA)

### 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Antoni Adessi**

#### General Education (36 Hours)

Transfer track programs often require that you take specific general education courses in each general education area. Below are the general education requirements for your program. Consult with your Faculty Advisor if you have any questions.

##### Communications (6 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4
- ENC1102 English Composition II+\* 3
- \_\_\_\_\_ 3

##### Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

##### Humanities 1–Visual & Performing Arts

- ARH2060 History of Architecture 3
- \_\_\_\_\_ 3

##### Humanities 2–Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3
- PHI2600 Ethics+\* 3
- PHI 2620 Environmental Ethics+\* 3
- PHI2635 Biomedical Ethics+\* 3
- REL2121 Intro. to Religion in America+\* 3
- REL2300 Religions of the World+\* 3
- SPN2200 Second Year–Spanish I+\* 4
- \_\_\_\_\_ 3

##### Humanities 3–Literature

Prerequisite ENC1102 with grade "C" or higher.

- AML2010 Amer. Lit. through the Civil War+\* 3
- AML2020 Amer. Lit: Reconst.–Present+\* 3
- AML2600 African-American Literature+\* 3
- ENG2111 Literature and Film+\* 3
- ENL2012 Eng. Lit. through the 18<sup>th</sup> Century+\* 3
- ENL2022 Eng. Lit.: Romantics to Present+\* 3
- LIT2000 Literature and Culture●+\* 3
- LIT2040 World Drama+\* 3
- LIT2090 Contemporary Literature+\* 3
- LIT2110 World Lit.: Ancient–Renaissance+\* 3
- LIT2120 World Lit.: Enlightenment–Present+\* 3
- LIT2380 Women in Literature+\* 3
- \_\_\_\_\_ 3

##### Mathematics (6 credits)

Two courses from Mathematics. At least one course must be a core course (●). Students who successfully complete a mathematics course for which a core course option in mathematics is an immediate prerequisite shall be considered to have completed the mathematics core.

- MAC1114 Plane Trigonometry+\* 3
- MAC1140 Pre-Calculus Algebra+\* 3

##### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

##### Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

##### Natural Sciences (6 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●).

##### Physical Sciences

- PHY2053 College Physics I●+ 3

##### Biological Sciences

- BOT2800 Plants & Society 3
- BSC1005 General Biological Science● 3
- BSC1020 Human Biology 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3
- BSC2311 Introduction to Marine Biology 3
- \_\_\_\_\_ 3

##### Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●). History & Government: Students are expected to take one Global course and one U.S. course. See Civic Literacy requirement under Other AA Requirements.

##### Behavioral Sciences

- ANT2000 Introduction to Anthropology● 3
- ECO2013 Principles of Economics, Macro● 3
- PSY2012 General Psychology● 3
- GEA1000 World Regional Geography 3
- SYG2000 Principles of Sociology 3

##### History

###### Global

- EUH1000 Western Civilization I 3
- EUH1001 Western Civilization II 3
- WOH2012 World History I 3
- WOH2022 World History II 3

###### U.S.

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3
- \_\_\_\_\_ 3

##### Government

###### Global

- CPO2002 Comparative Government 3

###### U.S.

- POS2041 American Nat'l Government●@ 3
- POS2112 State & Local Government 3
- \_\_\_\_\_ 3

##### Other AA Requirements

##### General Education Core Requirement

Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences

##### Civic Literacy Requirement (@)

Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

##### Foreign Language Requirement

Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language

#### Major Electives (22 hours)

This transfer track is designed to prepare students for entry into the Bachelors in Architecture 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. Gulf Coast State College offers the necessary prerequisites for most of the State of Florida University Baccalaureate Programs. 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.

- PHY2053L College Physics I Lab+ 1
- 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 hours)

##### Recommended Electives:

BCN2405 Statics and Strength of Materials, 3 cr. hrs.  
BCN1230 Materials and Methods, 3 cr. hrs.  
ARC2312 Intro.. Build. Assembly Model., 4 cr. hrs.

- \_\_\_\_\_ 2
- \_\_\_\_\_ 2
- \_\_\_\_\_ 2
- \_\_\_\_\_ 2

#### Courses not Used

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

#### Notes

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

# Business Administration Option

## ASSOCIATE IN ARTS (AA) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_

Faculty Advisor: **Kim Allan**  
**Matt Herndon**  
**Kriti Krutchek**  
**Tracy Sewell**

### General Education (36 Hours)

Transfer track programs often require that you take specific general education courses in each general education area. Below are the general education requirements for your program. Consult with your Faculty Advisor if you have any questions.

#### Communications (6 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4
- ENC1102 English Composition II+\* 3
- \_\_\_\_\_ 3

#### Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

##### **Humanities 1–Visual & Performing Arts**

- ARH2000 Understanding Visual Arts● 3
- ARH2050 Art History I 3
- ARH2051 Art History II 3
- ARH2060 History of Architecture 3
- MUL2010 Understanding Music● 3
- MUL2110 Survey of Music Literature 3
- THE2000 Understanding Theater● 3
- THE2071 Survey of Film 3
- \_\_\_\_\_ 3

##### **Humanities 2–Philosophy/Religion**

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3
- PHI2600 Ethics+\* 3
- PHI 2620 Environmental Ethics+\* 3
- PHI2635 Biomedical Ethics+\* 3
- REL2121 Intro. to Religion in America+\* 3
- REL2300 Religions of the World+\* 3
- SPN2200 Second Year–Spanish I+\* 4
- \_\_\_\_\_ 3

##### **Humanities 3–Literature**

Prerequisite ENC1102 with grade "C" or higher.

- AML2010 Amer. Lit. through the Civil War+\* 3
- AML2020 Amer. Lit: Reconst.–Present+\* 3
- AML2600 African-American Literature+\* 3
- ENG2111 Literature and Film+\* 3
- ENL2012 Eng. Lit. through the 18<sup>th</sup> Century+\*3
- ENL2022 Eng. Lit.: Romantics to Present+\* 3
- LIT2000 Literature and Culture●+\* 3
- LIT2040 World Drama+\* 3
- LIT2090 Contemporary Literature+\* 3
- LIT2110 World Lit.: Ancient–Renaissance+\* 3
- LIT2120 World Lit.: Enlightenment–Present+\*3
- LIT2380 Women in Literature+\* 3
- \_\_\_\_\_ 3

#### Mathematics (6 credits)

Two courses from Mathematics. At least one course must be a core course (●). Students who successfully complete a mathematics course for which a core course option in mathematics is an immediate prerequisite shall be considered to have completed the mathematics core.

- STA2023 Statistics●+\* 3
- MAC2233 Business Calculus+\* 3

#### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

#### Natural Sciences (6 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●).

##### **Physical Sciences**

- AST1002 Descriptive Astronomy● 3
- CHM1032 General, Organic, Biochemistry+ 3
- CHM1040 Fundamentals of Chemistry+ 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- GLY1032 Natural Disasters 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY1023 Survey of General Physics+ 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3
- \_\_\_\_\_ 3

##### **Biological Sciences**

- BOT2800 Plants & Society 3
- BSC1005 General Biological Science● 3
- BSC1020 Human Biology 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3
- BSC2311 Introduction to Marine Biology 3
- \_\_\_\_\_ 3

#### Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●). History & Government: Students are expected to take one Global course and one U.S. course. See Civic Literacy requirement under Other AA Requirements.

##### **Behavioral Sciences**

- ECO2013 Principles of Economics, Macro● 3

##### **History**

- Global**
- EUH1000 Western Civilization I 3
- EUH1001 Western Civilization II 3
- WOH 2012 World History I 3
- WOH 2022 World History II 3
- \_\_\_\_\_ 3

##### **U.S.**

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3
- \_\_\_\_\_ 3

##### **Government**

- Global**
- CPO2002 Comparative Government 3
- U.S.**
- POS2041 American Nat'l Government●@ 3
- POS2112 State & Local Government 3
- \_\_\_\_\_ 3

#### Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

### Major Electives (15 hours)

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.

- CGS1570 Microcomputer Applications 3
- ACG2001 Financial Accounting I\* 3
- ACG2011 Financial Accounting II+\* 3
- ECO2023 Principles of Economics, Micro\* 3
- ACG2071 Managerial Accounting+\* 3

### Other Electives (9 hours)

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

### Courses Not Used

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

### Notes

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

### Other AA Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)
- Foreign Language Requirement**  
Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language

# Computer Engineering Option ASSOCIATE IN ARTS (AA) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: \_\_\_\_\_

## General Education (39 Hours)

Transfer track programs often require that you take specific general education courses in each general education area. Below are the general education requirements for your program. Consult with your Faculty Advisor if you have any questions.

### Communications (6 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4
- ENC1102 English Composition II+\* 3
- \_\_\_\_\_ 3

### Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

#### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- ARH2050 Art History I 3
- ARH2051 Art History II 3
- ARH2060 History of Architecture 3
- MUL2010 Understanding Music● 3
- MUL2110 Survey of Music Literature 3
- THE2000 Understanding Theater● 3
- THE2071 Survey of Film 3
- \_\_\_\_\_ 3

#### Humanities 2–Philosophy/Religion

*Prerequisite ENC1101 or ENC1101C with grade "C" or higher.*

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3
- PHI2600 Ethics+\* 3
- PHI 2620 Environmental Ethics+\* 3
- PHI2635 Biomedical Ethics+\* 3
- REL2121 Intro. to Religion in America+\* 3
- REL2300 Religions of the World+\* 3
- SPN2200 Second Year–Spanish I+\* 4
- \_\_\_\_\_ 4

#### Humanities 3–Literature

*Prerequisite ENC1102 with grade "C" or higher.*

- AML2010 Amer. Lit. through the Civil War+\* 3
- AML2020 Amer. Lit. Reconst.–Present+\* 3
- AML2600 African-American Literature+\* 3
- ENG2111 Literature and Film+\* 3
- ENL2012 Eng. Lit. through the 18<sup>th</sup> Century+\* 3
- ENL2022 Eng. Lit.: Romanticism to Present+\* 3
- LIT2000 Literature and Culture●+\* 3
- LIT2040 World Drama+\* 3
- LIT2090 Contemporary Literature+\* 3
- LIT2110 World Lit.: Ancient–Renaissance+\* 3
- LIT2120 World Lit.: Enlightenment–Present+\* 3
- LIT2380 Women in Literature+\* 3
- \_\_\_\_\_ 3

### Mathematics (8 credits)

Two courses from Mathematics. At least one course must be a core course (●). Students who successfully complete a mathematics course for which a core course option in mathematics is an immediate prerequisite shall be considered to have completed the mathematics core. There are prerequisites for the courses listed.

- MAC2311 Calculus with Geometry I●+\* 4
- MAC2312 Calculus with Geometry II+\* 4

### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

### Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

### Natural Sciences (7credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●). There are prerequisites for the courses listed.

#### Physical Sciences

- PHY2048, University Physics I●+\* 4

#### Biological Sciences

- BOT2800 Plants & Society 3
- BSC1005 General Biological Science● 3
- BSC1020 Human Biology 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3
- BSC2311 Introduction to Marine Biology 3
- \_\_\_\_\_ 3

### Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●). History & Government: Students are expected to take one Global course and one U.S. course. See Civic Literacy requirement under Other AA Requirements.

#### Behavioral Sciences

- ANT2000 Introduction to Anthropology● 3
- ECO2013 Principles of Economics, Macro● 3
- PSY2012 General Psychology● 3
- GEA1000 World Regional Geography 3
- SYG2000 Principles of Sociology 3

#### History

##### Global

- EUH1000 Western Civilization I 3
- EUH1001 Western Civilization II 3
- WOH2012 World History I 3
- WOH2022 World History II 3

##### U.S.

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3
- \_\_\_\_\_ 3

#### Government

##### Global

- CPO2002 Comparative Government 3

##### U.S.

- POS2041 American Nat'l Government●@ 3
- POS2112 State & Local Government 3
- \_\_\_\_\_ 3

### Other AA Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)
- Foreign Language Requirement**  
Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language

## Major Electives (18 or 19 hours)

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.

- PHY2048L University Physics I Lab+\* 1
- PHY2049 University Physics II+\* 4
- PHY2049L University Physics II Lab+\* 1
- COP1000 Introduction to Programming Logic 3
- STA2023 Statistics+\* 3

- COP2250 Introduction to Java Programming+ 3
- Or**
- COP2224 Introduction to C++ Programming+ 3

- MAC2313 Calculus with Analytic Geometry III 4
- Or**
- MAP2302 Differential Equations 3

### Other Electives (2 or 3 hours)

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

### Courses Not Used

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
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### Notes

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# Computer Science Option

## ASSOCIATE IN ARTS (AA) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: \_\_\_\_\_

### General Education (39 Hours)

Transfer track programs often require that you take specific general education courses in each general education area. Below are the general education requirements for your program. Consult with your Faculty Advisor if you have any questions.

#### Communications (6 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4
- ENC1102 English Composition II+\* 3
- \_\_\_\_\_ 3

#### Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

##### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- ARH2050 Art History I 3
- ARH2051 Art History II 3
- ARH2060 History of Architecture 3
- MUL2010 Understanding Music● 3
- MUL2110 Survey of Music Literature 3
- THE2000 Understanding Theater● 3
- THE2071 Survey of Film 3
- \_\_\_\_\_ 3

##### Humanities 2–Philosophy/Religion

*Prerequisite* ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3
- PHI2600 Ethics+\* 3
- PHI 2620 Environmental Ethics+\* 3
- PHI2635 Biomedical Ethics+\* 3
- REL2121 Intro. to Religion in America+\* 3
- REL2300 Religions of the World+\* 3
- SPN2200 Second Year–Spanish I+\* 4
- \_\_\_\_\_ 3

##### Humanities 3–Literature

*Prerequisite* ENC1102 with grade "C" or higher.

- AML2010 Amer. Lit. through the Civil War+\* 3
- AML2020 Amer. Lit: Reconst.–Present+\* 3
- AML2600 African-American Literature+\* 3
- ENG2111 Literature and Film+\* 3
- ENL2012 Eng. Lit. through the 18<sup>th</sup> Century+\*3
- ENL2022 Eng. Lit.: Romantics to Present+\* 3
- LIT2000 Literature and Culture●+\* 3
- LIT2040 World Drama+\* 3
- LIT2090 Contemporary Literature+\* 3
- LIT2110 World Lit.: Ancient–Renaissance+\* 3
- LIT2120 World Lit.: Enlightenment–Present+\*3
- LIT2380 Women in Literature+\* 3
- \_\_\_\_\_ 3

#### Mathematics (8 credits)

Two courses from Mathematics. At least one course must be a core course (●). Students who successfully complete a mathematics course for which a core course option in mathematics is an immediate prerequisite shall be considered to have completed the mathematics core. There are prerequisites for the courses listed.

- MAC2311 Calculus with Geometry I●+\* 4
- MAC2312 Calculus with Geometry II+\* 4

#### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

#### Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

#### Natural Sciences (7 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●). There are prerequisites for the courses listed.

##### Physical Sciences

- PHY2048, University Physics I●+\* 4

##### Biological Sciences

- BOT2800 Plants & Society 3
- BSC1005 General Biological Science● 3
- BSC1020 Human Biology 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3
- BSC2311 Introduction to Marine Biology 3
- \_\_\_\_\_ 3

#### Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●). History & Government: Students are expected to take one Global course and one U.S. course. See Civic Literacy requirement under Other AA Requirements.

##### Behavioral Sciences

- ANT2000 Introduction to Anthropology● 3
- ECO2013 Principles of Economics, Macro● 3
- PSY2012 General Psychology● 3
- GEA1000 World Regional Geography 3
- SYG2000 Principles of Sociology 3

##### History

- Global
- EUH1000 Western Civilization I 3
- EUH1001 Western Civilization II 3
- WOH2012 World History I 3
- WOH2022 World History II 3

- U.S.
- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3
- \_\_\_\_\_ 3

##### Government

- Global
- CPO2002 Comparative Government 3
- U.S.
- POS2041 American Nat'l Government●@ 3
- POS2112 State & Local Government 3
- \_\_\_\_\_ 3

#### Other AA Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences

- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

- Foreign Language Requirement**  
Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language

### Major Electives (12 hours)

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.

- PHY2048L University Physics I Lab+\* 1
- PHY2049 University Physics II+\* 4
- PHY2049L University Physics II Lab+\* 1
- COP1000 Introduction to Programming Logic 3

- COP2224 Introduction to C++ Programming+ 3
- Or**
- COP2250 Introduction to Java Programming+ 3

#### Other Electives (9 hours)

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

#### Courses Not Used

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

#### Notes

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

# Economics for Business Option ASSOCIATE IN ARTS (AA) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Matt Herndon**

## General Education (36 Hours)

Transfer track programs often require that you take specific general education courses in each general education area. Below are the general education requirements for your program. Consult with your Faculty Advisor if you have any questions.

### Communications (6 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4
- ENC1102 English Composition II+\* 3
- \_\_\_\_\_ 3

### Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

#### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- ARH2050 Art History I 3
- ARH2051 Art History II 3
- ARH2060 History of Architecture 3
- MUL2010 Understanding Music● 3
- MUL2110 Survey of Music Literature 3
- THE2000 Understanding Theater● 3
- THE2071 Survey of Film 3
- \_\_\_\_\_ 3

#### Humanities 2–Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3
- PHI2600 Ethics+\* 3
- PHI 2620 Environmental Ethics+\* 3
- PHI2635 Biomedical Ethics+\* 3
- REL2121 Intro. to Religion in America+\* 3
- REL2300 Religions of the World+\* 3
- SPN2200 Second Year–Spanish I+\* 4
- \_\_\_\_\_ 3

#### Humanities 3–Literature

Prerequisite ENC1102 with grade "C" or higher.

- AML2010 Amer. Lit. through the Civil War+\* 3
- AML2020 Amer. Lit. Reconst.–Present+\* 3
- AML2600 African-American Literature+\* 3
- ENG2111 Literature and Film+\* 3
- ENL2012 Eng. Lit. through the 18<sup>th</sup> Century+\* 3
- ENL2022 Eng. Lit.: Romanticism to Present+\* 3
- LIT2000 Literature and Culture●+\* 3
- LIT2040 World Drama+\* 3
- LIT2090 Contemporary Literature+\* 3
- LIT2110 World Lit.: Ancient–Renaissance+\* 3
- LIT2120 World Lit.: Enlightenment–Present+\* 3
- LIT2380 Women in Literature+\* 3
- \_\_\_\_\_ 3

### Mathematics (6 credits)

Two courses from Mathematics. At least one course must be a core course (●). Students who successfully complete a mathematics course for which a core course option in mathematics is an immediate prerequisite shall be considered to have completed the mathematics core.

- STA2023 Statistics●+\* 3
- MAC2233 Business Calculus+\* 3
- \_\_\_\_\_ 3

### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

### Natural Sciences (6 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●).

#### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1032 General, Organic, Biochemistry+ 3
- CHM1040 Fundamentals of Chemistry+ 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- GLY1032 Natural Disasters 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY1023 Survey of General Physics+ 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3
- \_\_\_\_\_ 3

#### Biological Sciences

- BOT2800 Plants & Society 3
- BSC1005 General Biological Science● 3
- BSC1020 Human Biology 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3
- BSC2311 Introduction to Marine Biology 3
- \_\_\_\_\_ 3

### Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●). History & Government: Students are expected to take one Global course and one U.S. course. See Civic Literacy requirement under Other AA Requirements.

#### Behavioral Sciences

- ECO2013 Principles of Economics, Macro● 3

#### History

##### Global

- EUH1000 Western Civilization I 3
- EUH1001 Western Civilization II 3
- WOH 2012 World History I 3
- WOH 2022 World History II 3
- \_\_\_\_\_ 3

##### U.S.

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3
- \_\_\_\_\_ 3

#### Government

##### Global

- CPO2002 Comparative Government 3

##### U.S.

- POS2041 American Nat'l Government●@ 3
- POS2112 State & Local Government 3
- \_\_\_\_\_ 3

### Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

## Major Electives (15 hours)

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.

- CGS1570 Microcomputer Applications 3
- ACG2001 Financial Accounting I\* 3
- ACG2011 Financial Accounting II+\* 3
- ECO2023 Principles of Economics, Micro 3
- ACG2071 Managerial Accounting+\* 3

## Other Electives (9 hours)

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

## Courses Not Used

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

## Notes

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

## Other AA Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

- Foreign Language Requirement**  
Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language



# Engineering Technology

## Building Construction

### ASSOCIATE IN ARTS (AA)

#### 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Antonio Adessi**

#### General Education (36 Hours)

Transfer track programs often require that you take specific general education courses in each general education area. Below are the general education requirements for your program. Consult with your Faculty Advisor if you have any questions.

##### Communications (6 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4
- ENC1102 English Composition II+\* 3
- \_\_\_\_\_ 3

##### Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

##### Humanities 1-Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- ARH2050 Art History I 3
- ARH2051 Art History II 3
- ARH2060 History of Architecture 3
- MUL2010 Understanding Music● 3
- MUL2110 Survey of Music Literature 3
- THE2000 Understanding Theater● 3
- THE2071 Survey of Film 3
- \_\_\_\_\_ 3

##### Humanities 2-Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3
- PHI2600 Ethics+\* 3
- PHI 2620 Environmental Ethics+\* 3
- PHI2635 Biomedical Ethics+\* 3
- REL2121 Intro. to Religion in America+\* 3
- REL2300 Religions of the World+\* 3
- SPN2200 Second Year-Spanish I+\* 4
- \_\_\_\_\_ 3

##### Humanities 3-Literature

Prerequisite ENC1102 with grade "C" or higher.

- AML2010 Amer. Lit. through the Civil War+\* 3
- AML2020 Amer. Lit. Reconst.-Present+\* 3
- AML2600 African-American Literature+\* 3
- ENG2111 Literature and Film+\* 3
- ENL2012 Eng. Lit. through the 18<sup>th</sup> Century+\* 3
- ENL2022 Eng. Lit.: Romantics to Present+\* 3
- LIT2000 Literature and Culture●+\* 3
- LIT2040 World Drama+\* 3
- LIT2090 Contemporary Literature+\* 3
- LIT2110 World Lit.: Ancient-Renaissance+\* 3
- LIT2120 World Lit.: Enlightenment-Present+\* 3
- LIT2380 Women in Literature+\* 3
- \_\_\_\_\_ 3

##### Mathematics (6 credits)

Two courses from Mathematics. At least one course must be a core course (●). Students who successfully complete a mathematics course for which a core course option in mathematics is an immediate prerequisite shall be considered to have completed the mathematics core.

- MAC1105 College Algebra●+\* 3
- MAC1140 Pre-Calculus Algebra+\* 3

##### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

#### Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

##### Natural Sciences (6 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●).

##### Physical Sciences

- PHY2053 College Physics I●+ 3

##### Biological Sciences

- BOT2800 Plants & Society 3
- BSC1005 General Biological Science● 3
- BSC1020 Human Biology 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3
- BSC2311 Introduction to Marine Biology 3
- \_\_\_\_\_ 3

##### Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●). History & Government: Students are expected to take one Global course and one U.S. course. See Civic Literacy requirement under Other AA Requirements.

##### Behavioral Sciences

- ECO2013 Principles of Economics, Macro● 3

##### History

- EUH1000 Western Civilization I 3
- EUH1001 Western Civilization II 3
- WOH 2012 World History I 3
- WOH 2022 World History II 3
- \_\_\_\_\_ 3

##### U.S.

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3
- \_\_\_\_\_ 3

##### Government

- CPO2002 Comparative Government 3

##### U.S.

- POS2041 American Nat'l Government●@ 3
- POS2112 State & Local Government 3
- \_\_\_\_\_ 3

##### Other AA Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences

- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

- Foreign Language Requirement**  
Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language

#### Major Electives (24 or 25)

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.

- CGS1570 Microcomputer Applications 3
- ACG2001 Financial Accounting I\* 3
- ECO2023 Principles of Economics, Micro 3
- STA2023 Statistics 3
- BCN2405 Statics and Strength of Materials 3
- BUL2241 Business Law 3
- PHY2054 College Physics II+ 3

- MAC 2311 Calc. with Analytic Geometry I+\* 4
- Or**
- MAC2233 Calculus for Business+\* 3

##### Recommended Electives:

- EGN1110C Engineering Drawing, 3 crs.
- ARC2312C Intro. to Building Assembly Model., 4 crs.
- BCT2715 Construction Management, 3 crs.
- BCT2770 Construction Estimating, 3 crs.
- GIS2040 Intro. to Geographic Inform. Systems, 3 crs.
- EGS1006 Introductions to Engineering, 1 cr.
- BCN1230 Materials and Methods, 3 crs.
- BCN2949 Building Construction Co-Op, 1 - 3 crs.

#### Courses Not Used

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

#### Notes

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

# Health Services Administration Option ASSOCIATE IN ARTS (AA) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Kim Allan**

## General Education (36 Hours)

Transfer track programs often require that you take specific general education courses in each general education area. Below are the general education requirements for your program. Consult with your Faculty Advisor if you have any questions.

### Communications (6 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4
- ENC1102 English Composition II+\* 3
- \_\_\_\_\_ 3

### Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

#### Humanities 1-Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- ARH2050 Art History I 3
- ARH2051 Art History II 3
- ARH2060 History of Architecture 3
- MUL2010 Understanding Music● 3
- MUL2110 Survey of Music Literature 3
- THE2000 Understanding Theater● 3
- THE2071 Survey of Film 3
- \_\_\_\_\_ 3

#### Humanities 2-Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Introduction to Philosophy●+\* 3
- PHI2600 Ethics+\* 3
- PHI2620 Environmental Ethics+\* 3
- PHI2635 Biomedical Ethics+\* 3
- REL2121 Intro. to Religion in America+\* 3
- REL2300 Religions of the World+\* 3
- SPN2200 Second Year Spanish I+\* 4
- \_\_\_\_\_ 3

#### Humanities 3-Literature

Prerequisite ENC1102 with grade "C" or higher.

- AML2010 Amer. Lit. through the Civil War+\* 3
- AML2020 Amer. Lit: Reconst.–Present+\* 3
- AML2600 African-American Literature+\* 3
- ENG2111 Literature and Film+\* 3
- ENL2012 Eng. Lit. through the 18<sup>th</sup> Century+\* 3
- ENL2022 Eng. Lit.: Romanticism to Present+\* 3
- LIT2000 Literature and Culture●+\* 3
- LIT2040 World Drama+\* 3
- LIT2090 Contemporary Literature+\* 3
- LIT2110 World Lit.: Ancient–Renaissance+\* 3
- LIT2120 World Lit.: Enlightenment–Present+\* 3
- LIT2380 Women in Literature+\* 3
- \_\_\_\_\_ 3

### Mathematics (6 credits)

Two courses from Mathematics. At least one course must be a core course (●). Students who successfully complete a mathematics course for which a core course option in mathematics is an immediate prerequisite shall be considered to have completed the mathematics core.

#### Approved (MAC or STA)

Note: FAMU requires MAC2233

- STA2023 Statistics●+\* 3
- STA2122 Statistical Applications+\* 4
- MAC1105 College Algebra●+\* 3
- MAC1114 Plane Trigonometry+\* 3
- MAC1140 Pre-Calculus Algebra+\* 3
- MAC2233 Business Calculus+\* 3
- MAC2311 Calculus with Geometry I●+\* 4
- MAC2312 Calculus with Geometry II+\* 4
- MAC2313 Calculus with Geometry III+\* 4
- \_\_\_\_\_ 3

### Natural Sciences (6 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●).

#### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1032 General, Organic, Biochemistry+ 3
- CHM1040 Fundamentals of Chemistry+ 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- GLY1032 Natural Disasters 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY1023 Survey of General Physics+ 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3
- \_\_\_\_\_ 3

#### Biological Sciences

- BOT2800 Plants & Society 3
- BSC1005 General Biological Science● 3
- BSC1020 Human Biology 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3
- BSC2311 Introduction to Marine Biology 3
- \_\_\_\_\_ 3

### Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●). History & Government: Students are expected to take one Global course and one U.S. course. See Civic Literacy requirement under Other AA Requirements.

#### Behavioral Sciences

- PSY2012 General Psychology● 3
- SYG2000 Principles of Sociology 3

#### History

##### Global

- EUH1000 Western Civilization I 3
- EUH1001 Western Civilization II 3
- WOH2012 World History I 3
- WOH2022 World History II 3

##### U.S.

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3
- \_\_\_\_\_ 3

#### Government

##### Global

- CPO2002 Comparative Government 3

##### U.S.

- POS2041 American Nat'l Government●@ 3
- POS2112 State & Local Government 3
- \_\_\_\_\_ 3

### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

## Major Electives (15 hours)

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. 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.

- CGS1570 Microcomputer Applications 3
- ACG2001 Financial Accounting I\* 3
- ACG2011 Financial Accounting II+\* 3
- ECO2023 Principles of Economics, Micro 3
- ACG2071 Managerial Accounting+\* 3

## Electives (9 hours)

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

## Courses Not Used

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

## Other AA Requirements

**General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences

**Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

**Foreign Language Requirement**  
Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language

## Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

# Recreation: Leisure Services Management

## Emphasis Option

### ASSOCIATE IN ARTS (AA)

#### 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Matt Herndon**

#### General Education (36 Hours)

Transfer track programs often require that you take specific general education courses in each general education area. Below are the general education requirements for your program. Consult with your Faculty Advisor if you have any questions.

#### Communications (6 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4
- ENC1102 English Composition II+\* 3
- \_\_\_\_\_ 3

#### Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

#### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- ARH2050 Art History I 3
- ARH2051 Art History II 3
- ARH2060 History of Architecture 3
- MUL2010 Understanding Music● 3
- MUL2110 Survey of Music Literature 3
- THE2000 Understanding Theater● 3
- THE2071 Survey of Film 3
- \_\_\_\_\_ 3

#### Humanities 2–Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Introduction to Philosophy●+\* 3
- PHI2600 Ethics+\* 3
- PHI2620 Environmental Ethics+\* 3
- PHI2635 Biomedical Ethics+\* 3
- REL2121 Intro. to Religion in America+\* 3
- REL2300 Religions of the World+\* 3
- SPN2200 Second Year Spanish I+\* 4
- \_\_\_\_\_ 3

#### Humanities 3–Literature

Prerequisite ENC1102 with grade "C" or higher.

- AML2010 Amer. Lit. through the Civil War+\* 3
- AML2020 Amer. Lit: Reconstr.–Present+\* 3
- AML2600 African-American Literature+\* 3
- ENG2111 Literature and Film+\* 3
- ENL2012 Eng. Lit. through the 18<sup>th</sup> Century+\* 3
- ENL2022 Eng. Lit.: Romanticism to Present+\* 3
- LIT2000 Literature and Culture●+\* 3
- LIT2040 World Drama+\* 3
- LIT2090 Contemporary Literature+\* 3
- LIT2110 World Lit.: Ancient–Renaissance+\* 3
- LIT2120 World Lit.: Enlightenment–Present+\* 3
- LIT2380 Women in Literature+\* 3
- \_\_\_\_\_ 3

#### Mathematics (6 credits)

Two courses from Mathematics. At least one course must be a core course (●). Students who successfully complete a mathematics course for which a core course option in mathematics is an immediate prerequisite shall be considered to have completed the mathematics core.

- MGF1107 Survey of Mathematics+\* 3
- MGF1130 Mathematical Thinking●+\* 3
- STA2023 Statistics●+\* 3
- STA2122 Statistical Applications+\* 4
- MAC1105 College Algebra●+\* 3
- MAC1114 Plane Trigonometry+\* 3
- MAC1140 Pre-Calculus Algebra+\* 3
- MAC2233 Business Calculus+\* 3
- MAC2311 Calculus with Geometry I●+\* 4
- MAC2312 Calculus with Geometry II+\* 4
- MAC2313 Calculus with Geometry III+\* 4
- MAP2302 Differential Equations+\* 3
- \_\_\_\_\_ 3

#### Natural Sciences (6 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●).

#### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1025 Intro. to General Chemistry+ 3
- CHM1032 General, Organic, Biochemistry+ 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- GLY1032 Natural Disasters 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY1023 Survey of General Physics+ 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3
- \_\_\_\_\_ 3

#### Biological Sciences

- BOT2800 Plants & Society 3
- BSC1005 General Biological Science● 3
- BSC1020 Human Biology 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3
- BSC2311 Introduction to Marine Biology 3
- \_\_\_\_\_ 3

#### Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●). History & Government: Students are expected to take one Global course and one U.S. course. See Civic Literacy requirement under Other AA Requirements.

#### Behavioral Sciences

- ECO2013 Principles of Economics, Macro● 3

#### History

- Global
- EUH1000 Western Civilization I 3
- EUH1001 Western Civilization II 3
- WOH 2012 World History I 3
- WOH 2022 World History II 3
- \_\_\_\_\_ 3

#### U.S.

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3
- \_\_\_\_\_ 3

#### Government

- Global
- CPO2002 Comparative Government 3

#### U.S.

- POS2041 American Nat'l Government●@ 3
- POS2112 State & Local Government 3
- \_\_\_\_\_ 3

#### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

#### Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

#### Major Electives (15 hours)

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.

- DEP2004 Developmental Psychology 3
- CGS1570 Microcomputer Applications 3
- MAN2021 Principles of Management 3
- MAR2011 Marketing 3
- SPC1608 Introduction to Public Speaking 3

#### Electives (9 hours)

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

#### Courses Not Used

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

#### Notes

- \_\_\_\_\_ 3
- \_\_\_\_\_ 3
- \_\_\_\_\_ 3

#### Other AA Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences

- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

- Foreign Language Requirement**  
Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language

# BUSINESS, INDUSTRY, TECHNOLOGY, & MANUFACTURING PATHWAY



- Accounting Technology
- Architectural Design and Construction Technology
- Business Administration and Management
- Culinary Management
- Cybersecurity
- Digital Media/Multimedia Technology:
  - Digital Production
  - Marketing and Graphics
  - Web Development
- Engineering Technology:
  - Advanced Manufacturing
  - Alternative Energy
- Digital Manufacturing Hospitality and Tourism Management
- Network Systems Technology
- Software and Database Developer
- Unmanned Vehicle Systems Operations



# Accounting Technology

## ASSOCIATE IN SCIENCE(AS)

### 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Tracy Sewell**

General Education (15 hours)	Major Courses (45 hours)	Notes
<p>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. Consult with your Faculty Advisor if you have any questions.</p>	<p>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.</p>	
<p><b>Communications (3/4 credits)</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> CGS1570 Microcomputer Applications 3</li> <li><input type="checkbox"/> MNA1100 Human Relations in Management# 3</li> <li><input type="checkbox"/> ACG2001 Financial Accounting I* 3</li> <li><input type="checkbox"/> ACG2011 Financial Accounting II+* 3</li> <li><input type="checkbox"/> ECO2013 Principles of Economics, Macro 3</li> <li><input type="checkbox"/> ECO2023 Principles of Economics, Micro 3</li> <li><input type="checkbox"/> BUL2241 Business Law 3</li> <li><input type="checkbox"/> MAN2021 Principles of Management 3</li> <li><input type="checkbox"/> MAN2160 Foundations of Leadership 3</li> <li><input type="checkbox"/> FIN1100 Personal Finance 3</li> <li><input type="checkbox"/> ACG2071 Managerial Accounting+* 3</li> <li><input type="checkbox"/> CGS2518 Spreadsheets for Bus. Environ.+ 3</li> <li><input type="checkbox"/> ACG2450 Basic Comp. Augmented Account.+*3</li> <li><input type="checkbox"/> TAX1000 Principles of Taxation I# 3</li> <li><input type="checkbox"/> ACG2930 Special Topics in Accounting+ 3</li> </ul>	
<p><b>Humanities (3 credits)</b> <i>Select one Humanities course</i></p>	<p><b>Courses not Used</b></p>	
<p><b>Humanities 1-Visual &amp; Performing Arts</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> ARH2000 Understanding Visual Arts● 3</li> <li><input type="checkbox"/> MUL2010 Understanding Music● 3</li> <li><input type="checkbox"/> THE2000 Understanding Theater● 3</li> </ul>	
<p><b>Humanities 2-Philosophy/Religion</b> <i>Prerequisite ENC1101 or ENC1101C with grade "C" or higher.</i></p>	<p><b>Other AS Requirements</b></p>	
<ul style="list-style-type: none"> <li><input type="checkbox"/> HUM2020 Introduction to Humanities●+* 3</li> <li><input type="checkbox"/> PHI2010 Intro. to Philosophy●+* 3</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> <b>General Education Core Requirement</b> Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences</li> <li><input type="checkbox"/> <b>Civic Literacy Requirement (@)</b> Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 <b>AND</b> passing score on civic literacy exam (FCLE)</li> </ul>	
<p><b>Humanities 3-Literature</b> <i>Prerequisite ENC1102 with grade "C" or higher.</i></p>	<p><b>Developmental Courses</b></p>	
<ul style="list-style-type: none"> <li><input type="checkbox"/> LIT2000 Literature and Culture●+* 3</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> ENC0022 Dev. Writing I &amp; II Combined* 3</li> <li><input type="checkbox"/> REA0019 Dev. Reading I &amp; II Combined* 3</li> <li><input type="checkbox"/> MAT0012 Dev. Arithmetic with Algebra* 3</li> </ul>	
<p><b>Mathematics (3 credits)</b> <i>Select one Mathematics Course</i></p>	<p><b>Key</b></p>	
<ul style="list-style-type: none"> <li><input type="checkbox"/> MGF1130 Mathematical Thinking●+* 3</li> <li><input type="checkbox"/> STA2023 Statistics●+* 3</li> <li><input type="checkbox"/> MAC1105 College Algebra●+* 3</li> <li><input type="checkbox"/> MAC2311 Calculus with Geometry I●+* 4</li> </ul>	<ul style="list-style-type: none"> <li>+ = Prerequisite or co-requisite required</li> <li>* = Minimum grade of "C" required</li> <li>@ = Course meets Civic Literacy Requirement</li> <li>● = General Education Core course</li> <li># = Applies to A.S. and Certificate Programs</li> </ul>	
<p><b>Natural Sciences (3 credits)</b> <i>Select one Science course</i></p>	<p><b>History</b></p>	
<p><b>Physical Sciences</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> AMH2010 United States History I●@ 3</li> <li><input type="checkbox"/> AMH2020 United States History II●@ 3</li> </ul>	
<ul style="list-style-type: none"> <li><input type="checkbox"/> AST1002 Descriptive Astronomy● 3</li> <li><input type="checkbox"/> CHM1045 General Chemistry●+ 3</li> <li><input type="checkbox"/> ESC2000 Earth &amp; Space Science Survey● 3</li> <li><input type="checkbox"/> EVR1001 Intro. to Environmental Science● 3</li> <li><input type="checkbox"/> GLY1010 Physical Geology● 3</li> <li><input type="checkbox"/> OCE1001 Fundamentals of Oceanography● 3</li> <li><input type="checkbox"/> PHY1020 Basic Concepts of Physics● 3</li> <li><input type="checkbox"/> PHY2048 University Physics I●+ 4</li> <li><input type="checkbox"/> PHY2053 College Physics I●+ 3</li> </ul>	<p><b>Government</b></p>	
<p><b>Biological Sciences</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> POS2041 American Nat'l Government●@ 3</li> </ul>	
<p><b>Social Sciences (3 credits)</b> <i>Select one Social Science Course</i></p>		

# Architectural Design & Construction Technology

ASSOCIATE IN SCIENCE(AS)

2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Antonio Adessi**

General Education (15 hours)	Major Courses (51 hours)	Notes
<p>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. Consult with your Faculty Advisor if you have any questions.</p>	<p>This program will prepare students for employment as construction planners or provide supplemental training for persons previously or currently employed in these occupations.</p>	
<b>Communications (3/4 credits)</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> EGN1110C Engineering Drawing 3</li> <li><input type="checkbox"/> ETD1320C Introduction to CAD# 3</li> <li><input type="checkbox"/> BCN1230 Materials and Methods 3</li> <li><input type="checkbox"/> ARC2180 Introduction to Digital Architecture+ 3</li> <li><input type="checkbox"/> ARC1301C Design 1.1+ 4</li> <li><input type="checkbox"/> ARC1302C Design 1.2+ 4</li> <li><input type="checkbox"/> BCN2405 Statics and Strength of Materials 3</li> <li><input type="checkbox"/> ARC2312C Intro. Building Assembly Model.+ 4</li> <li><input type="checkbox"/> BCT2715 Construction Management# 3</li> <li><input type="checkbox"/> BCT2770 Construction Estimating 3</li> <li><input type="checkbox"/> GIS2040 Intro. Geographic Inform. Systems* 3</li> <li><input type="checkbox"/> TAR2122 Residential Architectural Design+# 1</li> <li><input type="checkbox"/> TAR2122L Residential Design Lab+# 3</li> <li><input type="checkbox"/> TAR2154 Commercial Architectural Design+ 1</li> <li><input type="checkbox"/> TAR2154L Commercial Design Lab+ 3</li> <li><input type="checkbox"/> CGN2328C Tech. Drawing and Visualization+ 3</li> <li><input type="checkbox"/> ARH2060 History of Architecture 3</li> </ul>	
<ul style="list-style-type: none"> <li><input type="checkbox"/> ENC1101 English Composition I●+* 3</li> <li><input type="checkbox"/> ENC1101C Enhanced English Comp. I●+* 4</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> ARC2949 Architecture COOP+ 1</li> <li>Or</li> <li><input type="checkbox"/> BCN2949 Building Construction COOP+ 1</li> </ul>	
<b>Humanities (3 credits)</b>	<b>Courses not Used</b>	
<b>Humanities 1-Visual &amp; Performing Arts</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> _____</li> <li><input type="checkbox"/> _____</li> <li><input type="checkbox"/> _____</li> <li><input type="checkbox"/> _____</li> <li><input type="checkbox"/> _____</li> <li><input type="checkbox"/> _____</li> <li><input type="checkbox"/> _____</li> <li><input type="checkbox"/> _____</li> <li><input type="checkbox"/> _____</li> </ul>	
<b>Mathematics (3 credits)</b> <b>Select one Mathematics Course</b>	<b>Other AS Requirements</b>	
<input type="checkbox"/> MAC1105 College Algebra●+* 3	<ul style="list-style-type: none"> <li><input type="checkbox"/> <b>General Education Core Requirement</b> Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences</li> </ul>	
<b>Natural Sciences (3 credits)</b> <b>Select one Science course</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Civic Literacy Requirement (@)</b> Successful completion of AMH 2020 OR POS 2041 AND passing score on the Florida Civic Literacy Exam (FCLE)</li> </ul>	
<b>Physical Sciences</b>	<b>Developmental Courses</b>	<b>Key</b>
<ul style="list-style-type: none"> <li><input type="checkbox"/> AST1002 Descriptive Astronomy● 3</li> <li><input type="checkbox"/> CHM1045 General Chemistry●+ 3</li> <li><input type="checkbox"/> ESC2000 Earth &amp; Space Science Survey● 3</li> <li><input type="checkbox"/> EVR1001 Intro. to Environmental Science● 3</li> <li><input type="checkbox"/> GLY1010 Physical Geology● 3</li> <li><input type="checkbox"/> OCE1001 Fundamentals of Oceanography● 3</li> <li><input type="checkbox"/> PHY1020 Basic Concepts of Physics● 3</li> <li><input type="checkbox"/> PHY2048 University Physics I●+ 4</li> <li><input type="checkbox"/> PHY2053 College Physics I●+ 3</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> ENC0022 Dev. Writing I &amp; II Combined* 3</li> <li><input type="checkbox"/> REA0019 Dev. Reading I &amp; II Combined* 3</li> <li><input type="checkbox"/> MAT0012 Dev. Arithmetic with Algebra* 3</li> </ul>	<ul style="list-style-type: none"> <li>+ = Prerequisite or co-requisite required</li> <li>* = Minimum grade of "C" required</li> <li>@ = Course meets Civic Literacy Requirement</li> <li>● = General Education Core course</li> <li># = Applies to A.S. and Certificate Programs</li> </ul>
<b>Biological Sciences</b>		
<ul style="list-style-type: none"> <li><input type="checkbox"/> BSC1005 General Biological Science● 3</li> <li><input type="checkbox"/> BSC2010 Biology for Science Majors I●+ 3</li> <li><input type="checkbox"/> BSC2085 Anatomy &amp; Physiology I●+ 3</li> </ul>		
<b>Social Sciences (3 credits)</b> <b>Select one Social Science Course</b>		
<b>History</b>		
<ul style="list-style-type: none"> <li><input type="checkbox"/> AMH2010 United States History I●@ 3</li> <li><input type="checkbox"/> AMH2020 United States History II●@ 3</li> </ul>		
<b>Government</b>		
<input type="checkbox"/> POS2041 American Nat'l Government●@ 3		

# Business Administration

## ASSOCIATE IN SCIENCE(AS) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Kim Allan**

### General Education (15 hours)

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. Consult with your Faculty Advisor if you have any questions.

### Communications (3/4 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4

### Humanities (3 credits) Select one Humanities course

#### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- MUL2010 Understanding Music● 3
- THE2000 Understanding Theater● 3

#### Humanities 2–Philosophy/Religion

*Prerequisite ENC1101 or ENC1101C with grade "C" or higher.*

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3

#### Humanities 3–Literature

*Prerequisite ENC1102 with grade "C" or higher.*

- LIT2000 Literature and Culture●+\* 3

### Mathematics (3 credits) Select one Mathematics Course

- STA2023 Statistics●+\* 3

### Natural Sciences (3 credits) Select one Science course

#### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3

#### Biological Sciences

- BSC1005 General Biological Science● 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3

### Social Sciences (3 credits) Select one Social Science Course

#### History

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3

#### Government

- POS2041 American Nat'l Government●@ 3

### Major Courses (45 hours)

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.

- CGS1570 Microcomputer Applications 3
- MNA1100 Human Relations in Management# 3
- ACG2001 Financial Accounting I\* 3
- ACG2011 Financial Accounting II+\* 3
- ECO2023 Principles of Economics, Micro 3
- BUL2241 Business Law 3
- CGS2069 Social Media Marketing+ 3
- MAN2021 Principles of Management 3
- MAR2011 Marketing 3
- MAN2500 Operations Management+ 3
- MAN2160 Foundations of Leadership 3
- CGS1103 Proj. Manag. Concepts & Processes 3

#### Select any 3 Courses from the list Below

- ACG2071 Managerial Accounting+\* 3
- CGS2518 Spreadsheets for Bus. Environ.+ 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 Intro. to Entrepreneurship 3
- FIN1100 Personal Finances 3
- GRA2156 Comp. Graphics Digital Designers I 3
- MNA2949 Management Coop 3

### Courses not Used

- \_\_\_\_\_
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### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

### Notes

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### Other AS Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@) Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 AND passing score on civic literacy exam (FCLE)

### Key

+ = Prerequisite or co-requisite required  
 \* = Minimum grade of "C" required  
 @ = Course meets Civic Literacy Requirement  
 ● = General Education Core course  
 # = Applies to A.S. and Certificate Programs





# Cybersecurity ASSOCIATE IN SCIENCE(AS) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_

Faculty Advisor: **David Lee**

## General Education (15 hours)

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. Consult with your Faculty Advisor if you have any questions.

## Communications (3/4 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4

## Humanities (3 credits) *Select one Humanities course*

### **Humanities 1–Visual & Performing Arts**

- ARH2000 Understanding Visual Arts● 3
- MUL2010 Understanding Music● 3
- THE2000 Understanding Theater● 3

### **Humanities 2–Philosophy/Religion** *Prerequisite ENC1101 or ENC1101C with grade "C" or higher.*

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3

### **Humanities 3–Literature** *Prerequisite ENC1102 with grade "C" or higher.*

- LIT2000 Literature and Culture●+\* 3

## Mathematics (3 credits)

- MAC1105 College Algebra●+\* 3

## Natural Sciences (3 credits) *Select one Science course*

### **Physical Sciences**

- AST1002 Descriptive Astronomy● 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3

### **Biological Sciences**

- BSC1005 General Biological Science● 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3

## Social Sciences (3 credits) *Select one Social Science Course*

### **History**

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3

### **Government**

- POS2041 American Nat'l Government●@ 3

## Major Courses (45 hours)

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.

- CTS1111 Linux+(plus)\* 3
- CTS1120 Security+(plus)+\* 3
- CTS1650 Network Fundamentals\* 3
- CGS1103 Project Mgmt. Concepts & Process. 3
- COP1000 Intro. to Programming Logic 3
- CTS2145 Cloud Essentials+#\* 3
- CIS2352 Ethical Hacking I+\* 3
- CIS2381 Comp. Forensics & Incid. Respon.+\* 3
- CTS2315 Intrusion Detection & Firewalls+\* 3
- CTS1651 Cisco Rout. Tech./Rout. Prot. & Conce.+\* 3
- CTS1131 A+ Hardware#\* 3
- CTS1133 Desktop Oper. Systems (A+ software)\* 3
- CTS1390 Install. & Config. Windows Serv.\* 3
- CNT1510 Wireless Networking+#\* 3
- CTS2940 Cybersecurity Capstone+# 3

## Other AS Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

## Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

## Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

## Courses not Used

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# Digital Media Multimedia Technology ASSOCIATE IN SCIENCE(AS) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Caleb Jordan**

## General Education (15 hours)

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. Consult with your Faculty Advisor if you have any questions.

## Communications (3/4 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4

## Humanities (3 credits) Select one Humanities course

### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- MUL2010 Understanding Music● 3
- THE2000 Understanding Theater● 3

### Humanities 2–Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3

### Humanities 3–Literature

Prerequisite ENC1102 with grade "C" or higher.

- LIT2000 Literature and Culture●+\* 3

## Mathematics (3 credits) Select one Mathematics Course

- MGF1130 Mathematical Thinking●+\* 3
- STA2023 Statistics●+\* 3
- MAC1105 College Algebra●+\* 3
- MAC2311 Calculus with Geometry I●+\* 4

## Natural Sciences (3 credits) Select one Science course

### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3

### Biological Sciences

- BSC1005 General Biological Science● 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3

## Social Sciences (3 credits) Select one Social Science Course

### History

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3

### Government

- POS2041 American Nat'l Government●@ 3

## Major Courses (27 hours)

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.

- 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 Comp. Graphics 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

### Web Development Specialization

- COP2701 Database Design & Management+ 3
- CGS1570 Microcomputer Applications 3
- COP1000 Intro. to Programming Logic\* 3
- GRA2157 Comp. Graphics Digital Design. II+ 3
- COP2700 Data Structure (SQL) 3
- COP2840 Internet Programming+ 3

### Digital Production Specialization

- DIG2205 Digital Post Production 3
- DIG2822 Electronic Journalism 3
- DIG2431 Digital Storytelling 3
- DIG2257 Radio Production Sound Recording 3
- DIG2290 Studio Production & Direction 3

### Select one of the Following

- TPA1220 Intro. to Stage Lighting 3
- OR
- GRA2157 Comp. Graphics Digital Design. II+ 3

### Marketing & Graphics Specialization

- ART1201C Design I 3
- PGY2801C Photography I 3
- GRA2157 Comp. Graphics Digital Design. II+ 3
- GRA2151 Digital Illustration 3
- MAR2011 Marketing 3
- DIG2093 Digital Marketing+ 3

### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

## Notes

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## Courses not Used

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

## Other AS Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

## Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

# Engineering Technology

## ASSOCIATE IN SCIENCE(AS) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: \_\_\_\_\_

### General Education (15 hours)

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. Consult with your Faculty Advisor if you have any questions.

### Communications (3/4 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4

### Humanities (3 credits)

Select one Humanities course

#### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- MUL2010 Understanding Music● 3
- THE2000 Understanding Theater● 3

#### Humanities 2–Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3

#### Humanities 3–Literature

Prerequisite ENC1102 with grade "C" or higher.

- LIT2000 Literature and Culture●+\* 3

### Mathematics (3 credits)

Select one Mathematics Course

- MAC1105 College Algebra●+\* 3

### Natural Sciences (3 credits)

Select one Science course

#### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3

#### Biological Sciences

- BSC1005 General Biological Science● 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3

### Social Sciences (3 credits)

Select one Social Science Course

#### History

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3

#### Government

- POS2041 American Nat'l Government●@ 3

### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

### Major Courses

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.

### Technical Core (18 Credit Hours)

- EET1084C Introduction to Electronics#\* 3
- ETD1320C Introduction to CAD# 3
- ETI1701 Industrial Safety# 3
- ETI2110 Intro. to Quality Assurance# 3
- ETI1420 Manufacturing Processes# 3
- ETI2001C Applied Mechanics#\* 3

## Select A Specialization Area

### Alternate Energy Option (27 hours)

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.

- ETP1501 Intro. to Energy, Environment, & Society# 3
- ETP1500 Alter. Energy Inventory & Analysis# 3
- ETP1410C Solar Energy# 3
- ETP1510 Biofuels and Biomass# 3
- ETP1550 Altern. Fuels & Elect. Vehicles# 3
- EET2214C LavVIEW Instrumentation# 3
- EET1035C AC/DC Circuits+ 3
- ETS2542C Programmable Logic Controllers+ 3
- ETS2931 Special Projects in Com. Int. Manu.# 2
- ETI1949 Manufacturing Internship# 1

### Advanced Manufacturing Option (27 hours)

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.

- ETS2542C Program. Logic Controllers+ 3
- ETS2535C Process Control & Instrumentation+ 3
- ETS2700C Electro-Hydraulics & Pneumatics+ 3
- ETS2606C Robotics+ 3
- ETS2511C Motor & Motion Control+ 3
- EET1140C Electronic Devices and Circuits+ 3
- CET1112C Digital & Computer Circuits+ 3
- EET1035C AC/DC Circuits+ 3
- ETS2931 Special Proj. in Comp. Integr. Manufac.# 2
- ETI1949 Manufacturing Internship# 1

### Digital Manufacturing Option (27 hours)

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.

- 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 Intro. to 3D Printing+ 3
- ETD2372C Advanced Rapid Prototyping+ 3
- ETS2931 Special Proj. Comp. Integ. Manufac.# 2
- ETI1949 Manufacturing Internship# 1

### Other AS Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

### Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

# Hospitality and Tourism Management

## ASSOCIATE IN SCIENCE(AS)

### 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Daniel Henderson**

#### General Education (15 hours)

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. Consult with your Faculty Advisor if you have any questions.

#### Communications (3/4 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4

#### Humanities (3 credits) Select one Humanities course

##### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- MUL2010 Understanding Music● 3
- THE2000 Understanding Theater● 3

##### Humanities 2–Philosophy/Religion Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3

##### Humanities 3–Literature Prerequisite ENC1102 with grade "C" or higher.

- LIT2000 Literature and Culture●+\* 3

#### Mathematics (3 credits) Select one Mathematics Course

- MGF1130 Mathematical Thinking●+\* 3
- STA2023 Statistics●+\* 3
- MAC1105 College Algebra●+\* 3
- MAC2311 Calculus with Geometry I●+\* 4

#### Natural Sciences (3 credits) Select one Science course

##### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3

##### Biological Sciences

- BSC1005 General Biological Science● 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3

#### Social Sciences (3 credits) Select one Social Science Course

##### History

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3

##### Government

- POS2041 American Nat'l Government●@ 3

#### Major Courses (45 hours)

The purpose of this program is to prepare students for immediate employment in an entry level hospitality industry.

- FOS2201 Food Service Sanitation & Safety# 2
- HFT1860 Beverage Management# 3
- HUN1001 Survey of Nutrition# 2
- CGS1570 Microcomputer Applications 3
- HFT1000 Intro. Hotel-Restaurant Mgmt. 3
- HFT1600 Hospitality Law# 3
- HFT2451 Cost Control & Purchasing# 3
- HFT1254 Lodging Operations# 3
- HFT1210 Leadership & Managerial Devel.# 3
- HFT2750 Convention Service Mgmt.+# 3
- HFT1313 Hospitality Property Management# 3
- HFT2867C Wine Essentials+# 3
- HFT2401 Hospitality Account. & Fina. Analy. 3
- HFT2501 Hospitality Marketing 3
- HFT2949 Hospitality Coop 5

#### Other AS Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@)**  
Successful completion of AMH 2020 OR POS 2041 AND passing score on the Florida Civic Literacy Exam (FCLE)

#### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

#### Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

#### Courses not Used

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#### Notes

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# Network Systems Technology

## ASSOCIATE IN SCIENCE(AS) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **David Lee**

### General Education (15 hours)

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. Consult with your Faculty Advisor if you have any questions.

### Communications (3/4 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4

### Humanities (3 credits)

Select one Humanities course

#### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- MUL2010 Understanding Music● 3
- THE2000 Understanding Theater● 3

#### Humanities 2–Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3

#### Humanities 3–Literature

Prerequisite ENC1102 with grade "C" or higher.

- LIT2000 Literature and Culture●+\* 3

### Mathematics (3 credits)

- MAC1105 College Algebra●+\* 3

### Natural Sciences (3 credits)

Select one Science course

#### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3

#### Biological Sciences

- BSC1005 General Biological Science● 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3

### Social Sciences (3 credits)

Select one Social Science Course

#### History

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3

#### Government

- POS2041 American Nat'l Government●@ 3

### Major Courses (45 hours)

The Associate of 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

- CTS1111 Linux+(plus)\* 3
- CTS1120 Security+(plus)+\* 3
- CTS1131 A+ Hardware#\* 3
- CTS1133 Desktop Oper. Systems (A+ software)\* 3
- CTS1650 Network Fundamentals\* 3
- CTS1651 Cisco Rout. Tech/Rout. Prot. Conc.+\* 3
- CTS2652 Adv. Rout.Tech. (Cisco/CCNA)+\* 3
- CTS1390 Install. & Config. Windows Serv.\* 3
- CNT1510 Wireless Networking+##\* 3
- CTS2145 Cloud Essentials+##\* 3
- CTS2315 Intrusion Detection & Firewalls+\* 3
- CGS1103 Project Mgmt. Concepts & Process. 3
- COP1000 Intro. to Programming Logic\* 3
- CTS2370 Virtual Infast.: Install. & Config.+\* 3
- CTS2941 Network Tech. Services Cap.+## 3

### Other AS Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

### Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

### Courses not Used

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### Notes

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# Software & Database Developer

ASSOCIATE IN SCIENCE (AS)  
2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: \_\_\_\_\_

## General Education (15 hours)

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. Consult with your Faculty Advisor if you have any questions.

## Communications (3/4 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4

## Humanities (3 credits) Select one Humanities course

### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- MUL2010 Understanding Music● 3
- THE2000 Understanding Theater● 3

### Humanities 2–Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3

### Humanities 3–Literature

Prerequisite ENC1102 with grade "C" or higher.

- LIT2000 Literature and Culture●+\* 3

## Mathematics (3 credits)

- MAC1105 College Algebra●+\* 3

## Natural Sciences (3 credits) Select one Science course

### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3

### Biological Sciences

- BSC1005 General Biological Science● 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3

## Social Sciences (3 credits) Select one Social Science Course

### History

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3

### Government

- POS2041 American Nat'l Government●@ 3

## Major Courses (45 hours)

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.

- CGS1570 Microcomputer Applications 3
- COP1000 Intro. to Programming Logic\* 3
- COP2700 Data Structure (SQL) 3
- CIS2321 System Analysis & Design+ 3
- CGS1103 Project Mgmt. Concepts & Process. 3
- COP2250 Java Programming I+\* 3
- COP2224 C++ Programming I+\* 3
- COP2840 Internet Programming+ 3
- DIG2100 Web Design I 3
- CTS1111 Linux+(plus)\* 3
- CTS1650 Network Fundamentals\* 3
- COP2701 Database Design & Mgmt.+\* 3
- CTS1120 Security+(plus)+\* 3
- CEN2212 Intro. to Program. the Internet of Things+ 3
- COP2940 Integrat. Program. & Tech. Capstone+# 3

## Other AS Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 AND passing score on civic literacy exam (FCLE)

## Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

## Key

+ = Prerequisite or co-requisite required

\* = Minimum grade of "C" required

@ = Course meets Civic Literacy Requirement

● = General Education Core course

# = Applies to A.S. and Certificate Programs

## Courses not Used

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# Unmanned Vehicle Systems Operations

## ASSOCIATE IN SCIENCE (AS)

### 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Arrash Shakari**

### General Education (15 hours)

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. Consult with your Faculty Advisor if you have any questions.

### Communications (3/4 credits)

- ENC1101 English Composition I●+\* 3
- ENC1101C Enhanced English Comp. I●+\* 4

### Humanities (3 credits) Select one Humanities course

#### Humanities 1–Visual & Performing Arts

- ARH2000 Understanding Visual Arts● 3
- MUL2010 Understanding Music● 3
- THE2000 Understanding Theater● 3

#### Humanities 2–Philosophy/Religion

*Prerequisite ENC1101 or ENC1101C with grade "C" or higher.*

- HUM2020 Introduction to Humanities●+\* 3
- PHI2010 Intro. to Philosophy●+\* 3

#### Humanities 3–Literature

*Prerequisite ENC1102 with grade "C" or higher.*

- LIT2000 Literature and Culture●+\* 3

### Mathematics (3 credits) Select one Mathematics Course

- MGF1130 Mathematical Thinking●+\* 3
- STA2023 Statistics●+\* 3
- MAC1105 College Algebra●+\* 3
- MAC2311 Calculus with Geometry I●+\* 4

### Natural Sciences (3 credits) Select one Science course

#### Physical Sciences

- AST1002 Descriptive Astronomy● 3
- CHM1045 General Chemistry●+ 3
- ESC2000 Earth & Space Science Survey● 3
- EVR1001 Intro. to Environmental Science● 3
- GLY1010 Physical Geology● 3
- OCE1001 Fundamentals of Oceanography● 3
- PHY1020 Basic Concepts of Physics● 3
- PHY2048 University Physics I●+ 4
- PHY2053 College Physics I●+ 3

#### Biological Sciences

- BSC1005 General Biological Science● 3
- BSC2010 Biology for Science Majors I●+ 3
- BSC2085 Anatomy & Physiology I●+ 3

### Social Sciences (3 credits) Select one Social Science Course

#### History

- AMH2010 United States History I●@ 3
- AMH2020 United States History II●@ 3

#### Government

- POS2041 American Nat'l Government●@ 3

### Major Courses (47 hours)

The Unmanned Vehicle Systems Associate of 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.

- CGS1570 Microcomputer Applications 3
- EET1084C Intro. to Electronics# 3
- ASC2560C Unman. Vehic. Syst. Operat. I+#\* 3
- ASC2561C Unman. Vehic. Syst. Operat. II+#\* 3
- ATT1100 Private Pilot Ground School+\* 3
- ATT1101 Private Pilot Applications+\* 3
- GIS2040C Intro. to Geographic Inform. Syst.\* 3
- GIS2030C Fundamentals of Remote Sensing\* 3
- COP1000 Intro. to Programming Logic 3
- ETD1320C Introduction to CAD# 3
- ETS2606C Robotics# 3
- MTE1811C Intro. To Seamanship 3
- DSC2250 Unman. Veh. Fund. Disast. Mgt.+\*# 3
- COP2700 Data Structure (SQL) 3
- ASC2564 Unman. Veh. Systems Security#\* 3
- ASC2949 Unman. Systems Practicum+\* 2

### Courses not Used

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### Other AS Requirements

- General Education Core Requirement**  
Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences
- Civic Literacy Requirement (@)**  
Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 AND passing score on civic literacy exam (FCLE)

### Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

### Notes

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# BUSINESS, INDUSTRY, TECHNOLOGY, & MANUFACTURING PATHWAY



- Accounting Applications
- Alternative Energy Systems Specialist
- Business Specialist
- Chef's Apprentice
- CNC Machinist
- Composite Fabrication and Testing
- Culinary Arts
- Digital Media/Multimedia Production
- Digital Media/Multimedia Video Production
- Digital Media/Multimedia Web Production
- Engineering Technology Support Specialist
- Network Server Administration
- Rapid Prototyping Specialist





# Accounting Applications

## Certificate

College Certificate (CT)

2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Tracy Sewell**

### Major Courses (27 hours)

The purpose of this program is to prepare students with an opportunity to enter the accounting field.

- ENC1101 English Composition I●+\* 3
- CGS1570 Microcomputer Applications 3
- MNA1100 Human Relations in Management# 3
- ACG2001 Financial Accounting I\* 3
- ACG2011 Financial Accounting II+\* 3
- ACG2071 Managerial Accounting+\* 3
- CGS2518 Spreadsheets for Bus. Environ.+ 3
- ACG2450 Basic Comp. Augmented Account.+\*3
- TAX1000 Principles of Taxation I# 3

### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

### Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

### Notes

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# Alternative Energy Systems Specialist College Credit Certificate (CCC) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: \_\_\_\_\_

## Major Courses (18 hours)

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.

- EET1084C Introduction to Electronics##\* 3
- ETP1501 Intro. to Energy, Environment, Society# 3
- ETP1500 Alter. Energy Inventory & Analysis# 3
- EET1035C AC/DC Circuits+# 3
- ETP1410C Solar Energy# 3
- ETP1550 Altern. Fuels & Elect. Vehicles+# 3

## Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

## Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

## Notes

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**Business Specialist  
College Certificate  
College Credit Certificate (CCC)  
2024 - 2025**

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: *Kim Allan*

**Major Courses (12 hours)**

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.

- CGS1570 Microcomputer Applications 3
- MNA1100 Human Relations in Management# 3
- ACG2001 Financial Accounting I\* 3
- MAN2021 Principles of Management 3

**Developmental Courses**

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

**Key**

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

**Notes**

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**Chef's Apprentice**  
**College Credit Certificate (CCC)**  
**2024 - 2025**

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: \_\_\_\_\_

**Major Courses (12 hours)**

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.

- FOS2201 Food Service Sanitation & Safety# 2
- FSS1202C Basic Food Preparation+# 4
- FSS1063C Food Specialties - Baking+# 3
- FSS2240L Food Spec. - World Cuisines+# 3

**Developmental Courses**

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

**Key**

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

**Notes**

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# CNC Machinist

## College Credit Certificate

### (CCC) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: \_\_\_\_\_

#### Major Courses (12 hours)

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.

- |   |   |
|---|---|
| <input type="checkbox"/> ETD1320C Introduction to CAD#        | 3 |
| <input type="checkbox"/> ETD2838C Intermediate CAD/CAE/CAM#+* | 3 |
| <input type="checkbox"/> PMT2250C CNC Programming I#          | 3 |
| <input type="checkbox"/> PMT2254C CNC Programming II+#        | 3 |

#### Developmental Courses

- |  |   |
|--|---|
| <input type="checkbox"/> ENC0022 Dev. Writing I & II Combined* | 3 |
| <input type="checkbox"/> REA0019 Dev. Reading I & II Combined* | 3 |
| <input type="checkbox"/> MAT0012 Dev. Arithmetic with Algebra* | 3 |

#### Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

#### Notes

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# Composite Fabrication and Testing

## College Credit Certificate (CCC) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: \_\_\_\_\_

### Major Courses (19 hours)

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.

- |                          |                                     |   |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | ETI1701 Industrial Safety#          | 3 |
| <input type="checkbox"/> | ETI2110 Intro. to Quality Assurance | 3 |
| <input type="checkbox"/> | ETI1420 Manufacturing Processes#    | 3 |
| <input type="checkbox"/> | ETI2001C Applied Mechanics#*        | 3 |
| <input type="checkbox"/> | ETI2460C Composites Fundamentals#   | 3 |
| <input type="checkbox"/> | ETI2464C Advanced Composites+#      | 3 |
| <input type="checkbox"/> | ETI1949 Manufacturing Internship    | 1 |

### Developmental Courses

- |                          |                                       |   |
|--------------------------|---------------------------------------|---|
| <input type="checkbox"/> | ENC0022 Dev. Writing I & II Combined* | 3 |
| <input type="checkbox"/> | REA0019 Dev. Reading I & II Combined* | 3 |
| <input type="checkbox"/> | MAT0012 Dev. Arithmetic with Algebra* | 3 |

### Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

### Notes

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Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: \_\_\_\_\_

**Major Courses (35 hours)**

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.

- FOS2201 Food Service Sanitation & Safety# 2
- HUN1001 Survey of Nutrition# 2
- FSS1202C Basic Food Preparation+# 4
- FSS1063C Food Specialties - Baking+# 3
- HFT1000 Intro. Hotel-Restaurant Mgmt. 3
- FSS2065L Food Spec. - Pastry+# 3
- FSS1105 Food Purchasing# 3
- FSS2380 Practicum I - Restaurant+# 3
- FSS2381 Practicum II - Kitchen+# 3
- FSS1248L Food Spec. - Garde Manager I+# 3
- FSS2240L Food Spec. - World Cuisines+# 3
- HFT2264C Banquet & Convention Mgmt.+# 3

**Notes**

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**Developmental Courses**

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

**Key**

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

# Digital Media Multimedia Production College Credit Certificate (CCC) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: *Caleb Jordan*

### Major Courses (15 hours)

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.

- DIG2100 Web Design I 3
- GRA2156 Comp. Graphics Digital Designers I 3
- DIG2431 Digital Storytelling 3
- DIG2257 Radio Production Sound Recording 3
- DIG2822 Electronic Journalism 3

### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

### Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

### Notes

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# Digital Media Multimedia Web Production

College Credit Certificate (CCC)  
2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: *Caleb Jordan*

## Major Courses (15 hours)

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.

- |   |   |
|---|---|
| <input type="checkbox"/> DIG2100 Web Design I                       | 3 |
| <input type="checkbox"/> COP2840 Internet Programming+              | 3 |
| <input type="checkbox"/> GRA2156 Comp. Graphics Digital Designers I | 3 |
| <input type="checkbox"/> COP2700 Data Structure (SQL)               | 3 |
| <input type="checkbox"/> COP1000 Intro. to Programming Logic        | 3 |

## Developmental Courses

- |  |   |
|--|---|
| <input type="checkbox"/> ENC0022 Dev. Writing I & II Combined* | 3 |
| <input type="checkbox"/> REA0019 Dev. Reading I & II Combined* | 3 |
| <input type="checkbox"/> MAT0012 Dev. Arithmetic with Algebra* | 3 |

## Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

## Notes

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# Engineering Technology Support Specialist

## College Credit Certificate (CCC) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: \_\_\_\_\_

### Major Courses (18 hours)

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.]

- |   |   |
|---|---|
| <input type="checkbox"/> EET1084C Introduction to Electronics#* | 3 |
| <input type="checkbox"/> ETD1320C Introduction to CAD#          | 3 |
| <input type="checkbox"/> ETI1701 Industrial Safety#             | 3 |
| <input type="checkbox"/> ETI2110 Intro. to Quality Assistance#  | 3 |
| <input type="checkbox"/> ETI1420 Manufacturing Process#         | 3 |
| <input type="checkbox"/> ETI2001C Applied Mechanics#*           | 3 |

### Developmental Courses

- |  |   |
|--|---|
| <input type="checkbox"/> ENC0022 Dev. Writing I & II Combined* | 3 |
| <input type="checkbox"/> REA0019 Dev. Reading I & II Combined* | 3 |
| <input type="checkbox"/> MAT0012 Dev. Arithmetic with Algebra* | 3 |

### Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

### Notes

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# Network Server Administration

## College Credit Certificate (CCC) 2024 - 2025

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_

Faculty Advisor: *David Lee*

### Major Courses (24 hours)

The Network Server Administration certificate prepares students for careers in the Information Technology Career Cluster as network support technicians/administrators.

- CTS1111 Linux+(plus)\* 3
- CTS1650 Network Fundamentals\* 3
- CTS1390 Install. & Config. Windows Serv.\* 3
- CTS1131 A+ Hardware#\* 3
- CTS1133 Desktop Oper. Systems (A+ software)\* 3
- CNT1510 Wireless Networking #\* 3
- CTS1120 Security+(plus)+\* 3
- CTS1651 Cisco Rout. Tech/Rout. Prot. Conc.+\* 3

### Developmental Courses

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

### Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

### Notes

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**Rapid Prototyping  
Specialist  
College Credit Certificate (CCC)  
2024 - 2025**

Student's Name: \_\_\_\_\_

Student's ID Number: \_\_\_\_\_

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: \_\_\_\_\_

**Major Courses (12 hours)**

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.

- ETD1320C Introduction to CAD#\* 3
- ETD2838C Intermediate CAD/CAE/CAM#+\* 3
- ETD2371C Intro. to 3D Printing+# 3
- ETD2372C Advanced Rapid Prototyping+# 3

**Developmental Courses**

- ENC0022 Dev. Writing I & II Combined\* 3
- REA0019 Dev. Reading I & II Combined\* 3
- MAT0012 Dev. Arithmetic with Algebra\* 3

**Key**

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- = General Education Core course
- # = Applies to A.S. and Certificate Programs

**Notes**

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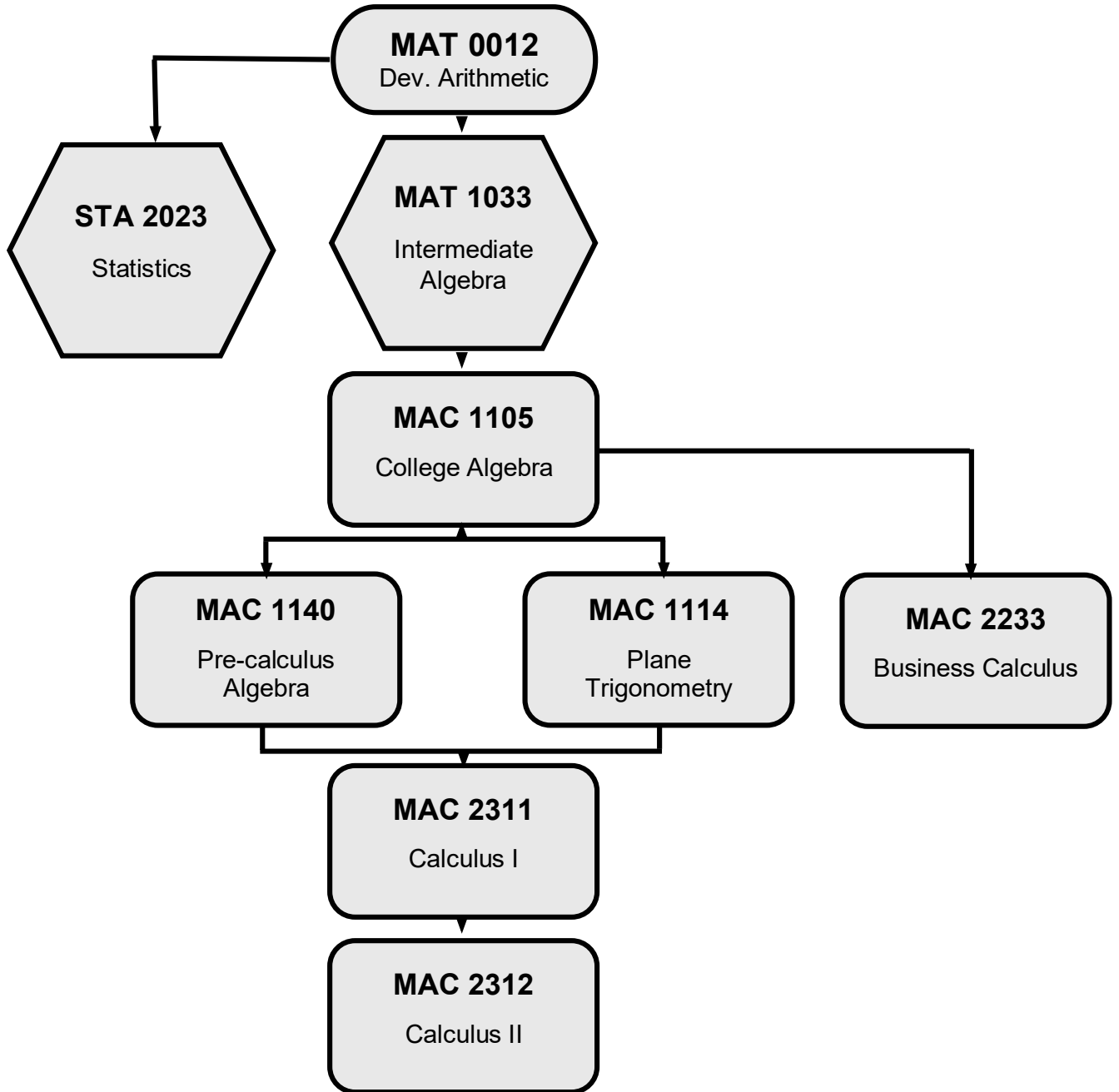
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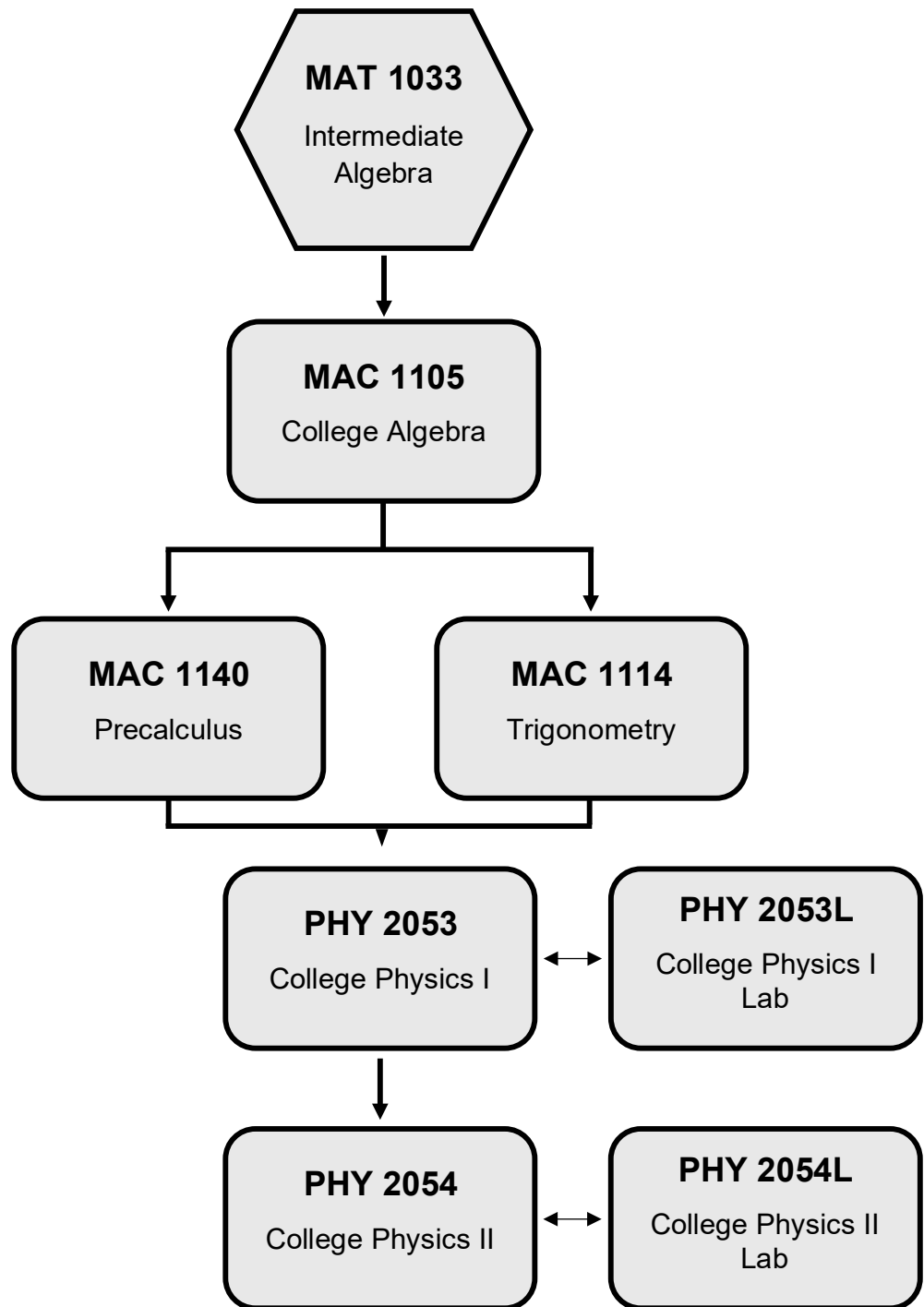
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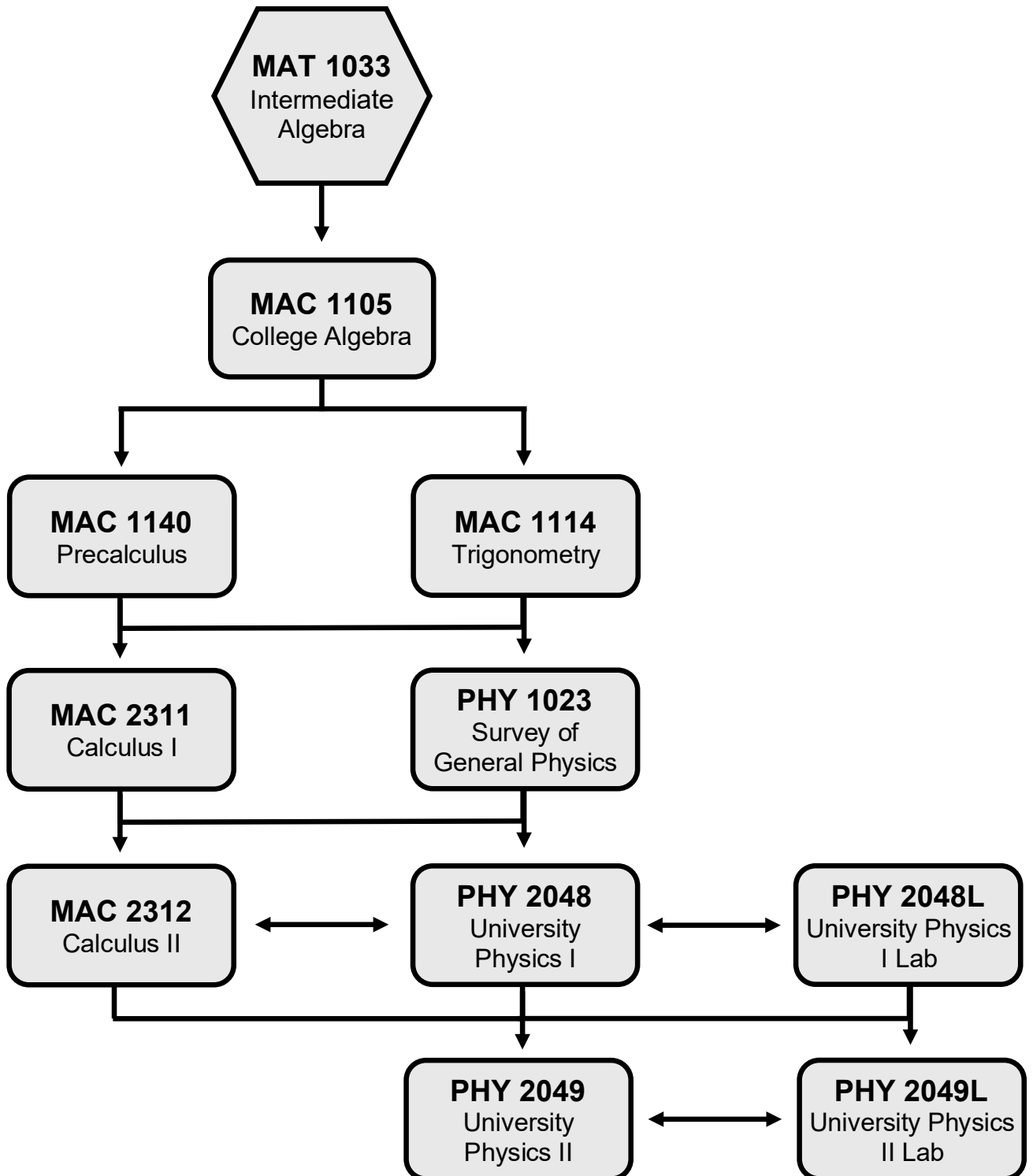
# BITM Mathematics Flowchart



# College Physics Flowchart

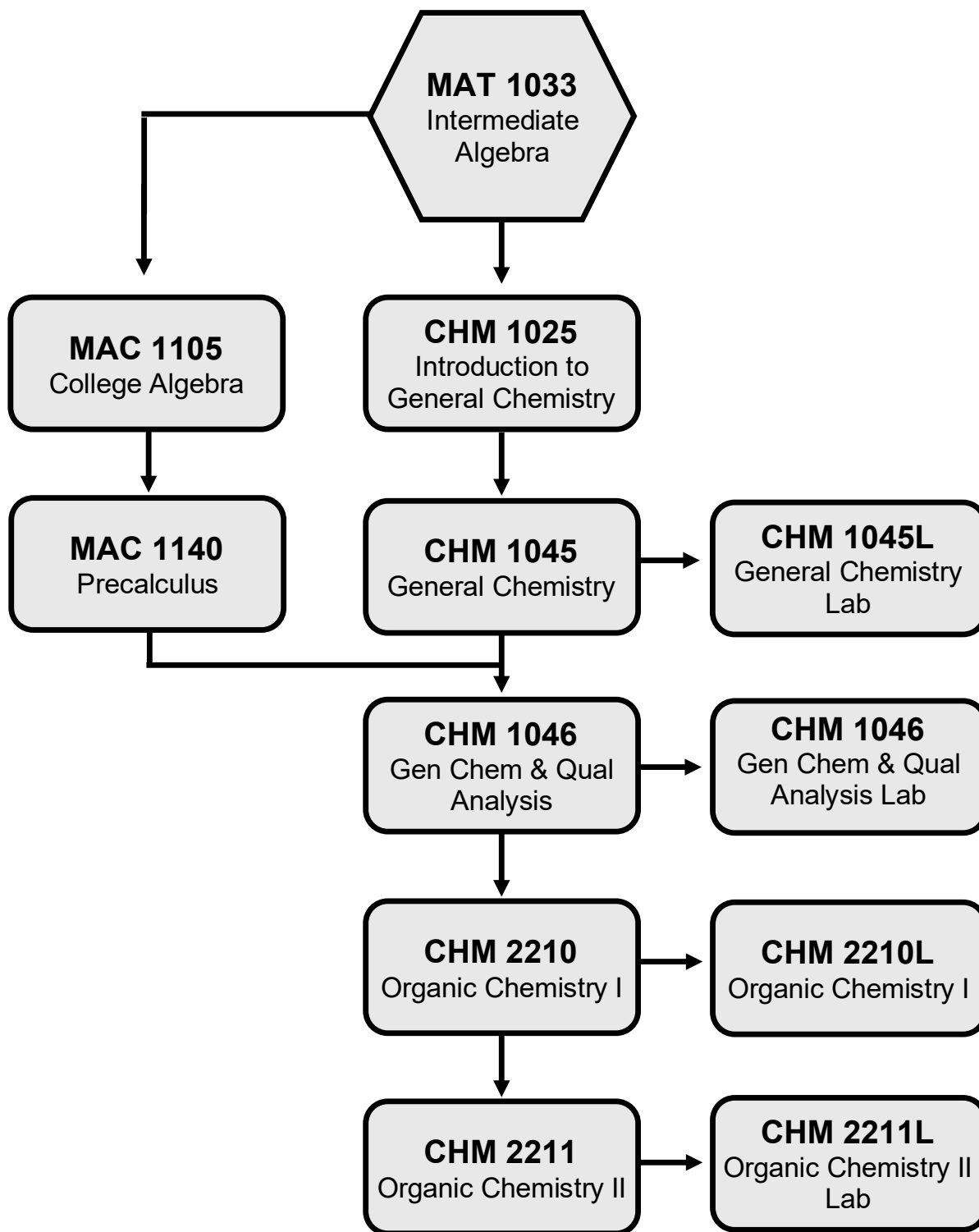


# University Physics Flowchart

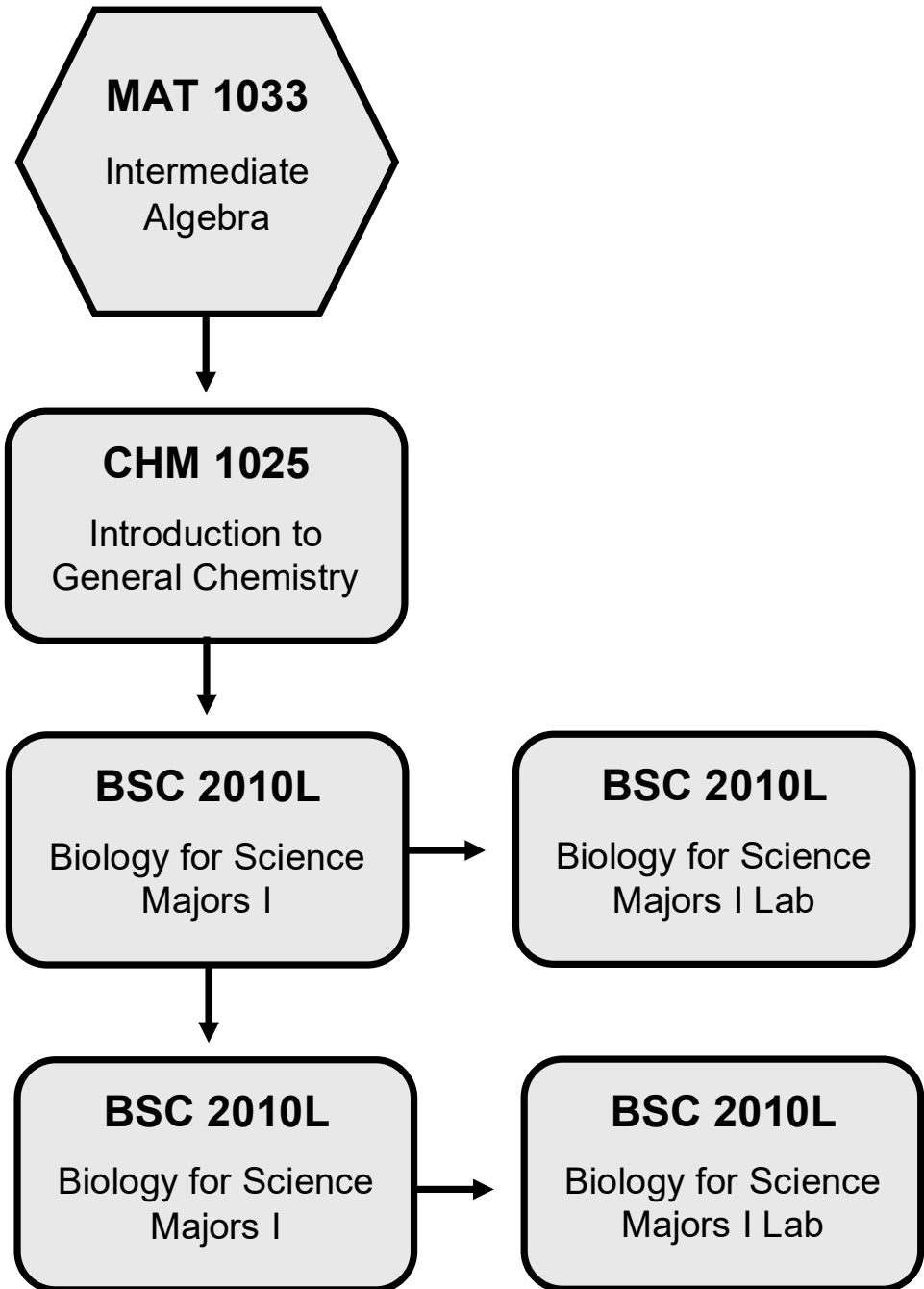




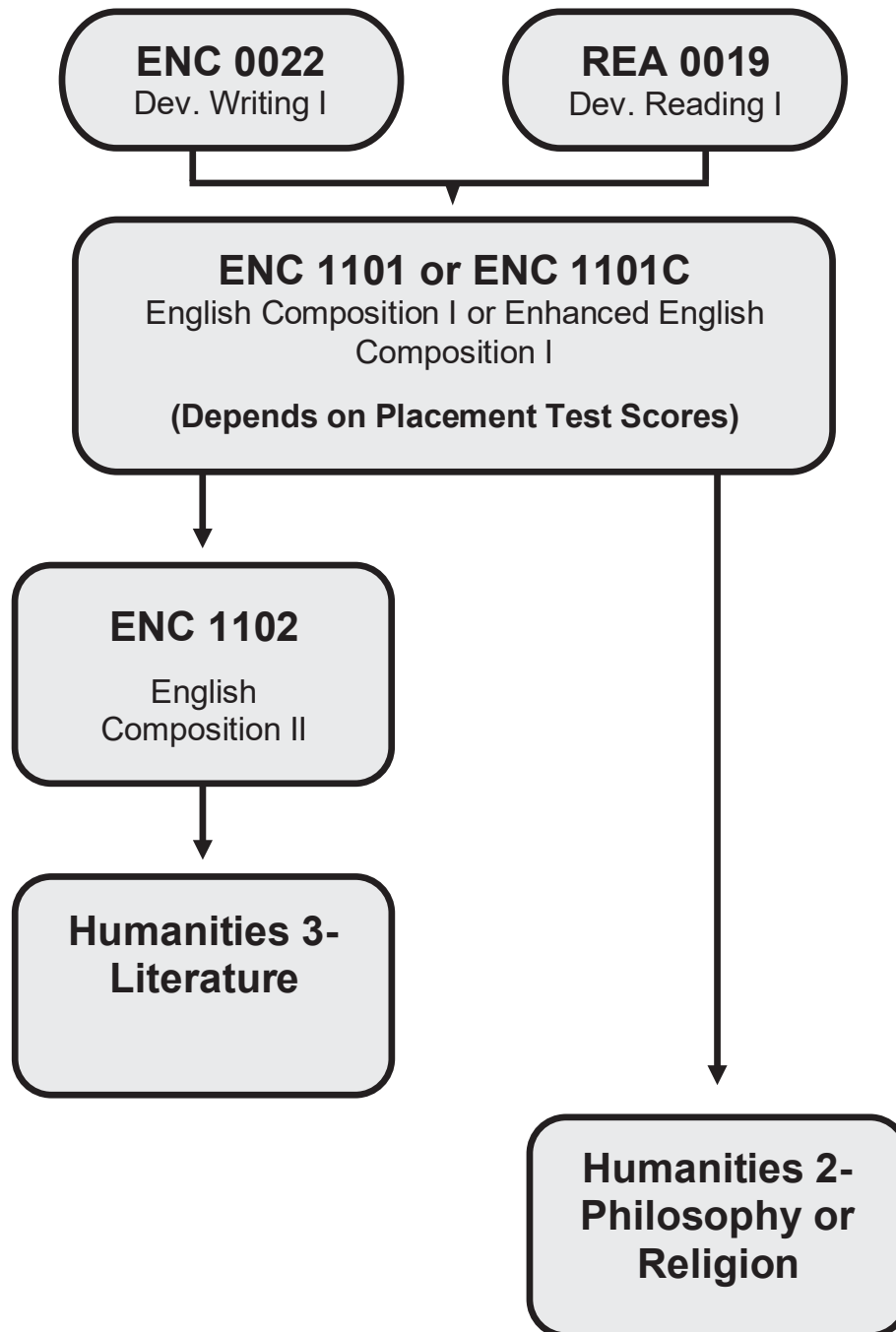
# General Chemistry Flowchart



# Biology Flowchart



# English and Humanities Flowchart



- ENC022 and REA0019 are developmental courses
- Students must earn a grade of C or higher to pass and progress to the next level course
- We recommend that students take literature before philosophy or religion
- Philosophy/religion courses might use APA, Chicago, Turabian, or another writing style
- ENC1101, ENC 1101C, ENC 1102, and all literature courses use MLA

# AA - GCSC DEGREE PLAN

Student Name:	Faculty Advisor:	Pathway Navigator:	Major:
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<b>Semester 1</b>		<b>Semester 2</b>		<b>Semester 3</b>		<b>Semester 4</b>		<b>Semester 5</b>		<b>Semester 6</b>	
First Semester Courses	Second Semester Courses	Third Semester Courses	Fourth Semester Courses	Fifth Semester Courses	Sixth Semester Courses						
Total Hours	Total Hours	Total Hours	Total Hours	Total Hours	Total Hours	Total Hours	Total Hours	Total Hours	Total Hours	Total Hours	Total Hours
* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better

<input type="checkbox"/> Foreign Language Requirement AA or Baccalaureate Degree	<input type="checkbox"/> Civics Literacy Requirement	<input type="checkbox"/> Flexible Placement
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Milestones	Milestones	Milestones
Complete Career Coach Assessment	Narrow University Transfer Choices	Apply to the University
		Apply for GCSC Graduation

External Credit: AP, IB, AICE, CLEP, DSST or Other Equivalent	Notes:

# AA-GCSC DEGREE PLAN

Student Name and ID:	Faculty Advisor:	Pathway Navigator:	Major:
Semester 1	Semester 2	Semester 3	Semester 4
Semester 5	Semester 6	Semester 7	Semester 8
First Semester Courses	Second Semester Courses	Third Semester Courses	Fourth Semester Courses
Fifth Semester Courses	Sixth Semester Courses	Seventh Semester Courses	Eighth Semester Courses
Total Hours	Total Hours	Total Hours	Total Hours
*Requires C or better	*Requires C or better	*Requires C or better	*Requires C or better
Total Hours	Total Hours	Total Hours	Total Hours
*Requires C or better	*Requires C or better	*Requires C or better	*Requires C or better

Year/Term

Flexible Placement     
  Foreign Language Requirement Met     
  Civics Literacy Met

<b>Milestones</b>	<b>Milestones</b>	<b>Milestones</b>	<b>Milestones</b>
Complete Career Coach Assessment	Narrow University Transfer Choices	Apply to the University	Apply for GCSC Graduation

<b>External Credit: AP, IB, AICE, CLEP, DSST or Other Equivalent</b>	<b>Notes:</b>

# AS - GCSC DEGREE PLAN

Student Name: ID#:	Faculty Advisor:	Pathway Navigator:	Major:
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Semester 1		Semester 2		Semester 3		Semester 4		Semester 5		Semester 6	
First Semester Courses		Second Semester Courses		Third Semester Courses		Fourth Semester Courses		Fifth Semester Courses		Sixth Semester Courses	
Total Hours		Total Hours		Total Hours		Total Hours		Total Hours		Total Hours	
*Requires C or better		*Requires C or better		*Requires C or better		*Requires C or better		*Requires C or better		*Requires C or better	

Civics Literacy Requirement

Flexible Placement

Milestones	Milestones	Milestones
Complete Career Coach Assessment	Develop Resume	Complete Resume and Cover Letter
		Apply for GCSC Graduation

<b>External Credit: AP, IB, AICE, CLEP, DSST or Other Equivalent</b>	<b>Notes:</b>

# AS-GCSC DEGREE PLAN

Student Name and ID:	Faculty Advisor:	Pathway Navigator:	Major:				
<div style="display: flex; justify-content: space-around; font-weight: bold;"> <span>Semester 1</span> <span>Semester 2</span> <span>Semester 3</span> <span>Semester 4</span> <span>Semester 5</span> <span>Semester 6</span> <span>Semester 7</span> <span>Semester 8</span> </div>							
First Semester Courses	Second Semester Courses	Third Semester Courses	Fourth Semester Courses	Fifth Semester Courses	Sixth Semester Courses	Seventh Semester Courses	Eighth Semester Courses
Total Hours	Total Hours	Total Hours	Total Hours	Total Hours	Total Hours	Total Hours	Total Hours
* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better	* Requires C or better

Year/Term

Flexible Placement

Civics Literacy Met

<b>Milestones</b>	<b>Milestones</b>	<b>Milestones</b>	<b>Milestones</b>
Complete Career Coach Assessment	Develop Resume	Complete Resume and Cover Letter	Apply for GCSC Graduation

<b>External Credit: AP, IB, AICE, CLEP, DSST or Other Equivalent</b>	<b>Notes:</b>

# Academic Advising Syllabus



This academic advising syllabus is designed to enhance your advising experience at Gulf Coast State College. It is a resource to help you stay on track academically, and it provides a clear understanding of your responsibilities as a student as well as those of your academic advisor. Refer to this syllabus regularly and use it as a guide during your educational journey.

## Academic Advising Mission

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 in which students are guided in developing their interests and creating an efficient plan to achieve their goals.

## Pathway To Success



## Student Learning Outcomes

As a result of your active engagement in the advising process at Gulf Coast State College you will be able to:

- Recognize College requirements, deadlines, policies, and procedures.
- Make effective decisions concerning your degree and career goals.
- Develop an educational plan for successfully achieving your goals.
- Select courses each semester to progress toward fulfilling your educational plan.
- Utilize available campus resources and services to assist you in achieving your academic, personal, and career goals.
- Graduate in a timely manner based on your individual educational plan.
- Complete a degree audit by the time you are half-way through your program.



## Advisee Responsibilities

- Take responsibility for educational experience
- Learn how to access and use GCSC email, Canvas, My Student Dashboard, and any other online student success platform
- Become familiar with and use campus resources
- Read and respond to college emails on a regular basis
- Know important dates and deadlines (registration, drop/add, fees due, withdrawal, financial aid, scholarships, final exams, graduation, etc.)
- Attend advising sessions prepared to ask questions and discuss concerns
- Maintain regular contact with assigned advisor throughout the semester
- Keep a copy of this advising syllabus

## Advisor Responsibilities

- Be available to advisees through established means of communication
- Respond to advisee's emails in a timely manner
- Provide guidance and support with selecting a major, career exploration, and transfer planning
- Provide accurate information about program requirements, college resources, and services
- Provide assistance in developing and reviewing individual academic plans
- Assist students in selecting courses based on intended major, academic interest, career goals, etc.
- Monitor academic progress and assist with developing action plans for students who encounter academic difficulty

## Important Phone Numbers

Career/Academic Coach.....	850.769.1551 x2829
Counseling.....	850.769.1551 x4861
Enrollment Services.....	850.872.3892
Financial Aid.....	850.872.3845
IT Help Desk.....	850.913.3303
Library.....	850.872.3893
Student Accessibility Resources...	850.747.3243
Testing Center.....	850.769.1551 x3594



# Student Success Checklist

- Schedule an introductory meeting with your academic advisor.
- Set academic goals with your academic advisor.
- Develop an academic plan with your academic advisor.
- Schedule meetings with your academic advisor throughout the semester to make sure you are making progress toward achieving your academic goals and to plan for the next semester.
- Know your professors' contact information including office hours and email.
- Always attend class. If you are going to miss class, let your professors know immediately. If you miss a class, make sure you speak with your professors to discuss what you missed.
- Know resources available for extra assistance outside of class time:
  - Academic/Career Coach
  - Counseling
  - Math Lab
  - Reading and Writing Lab
  - Science Tutoring Lab
  - ACE Tutoring Lab
  - Student Accessibility Resources
  - TRIO
- Know important dates: tests, assignments due, registration, etc.
- Understand the transition from high school to college is an on-going process that requires active engagement on your part.
- Begin to understand your unique learning style.
- Be organized and understand the importance of time management.
- Attend programs and activities that will help you to expand your knowledge of your own culture as well as others.
- Explore co-curricular and extra-curricular activities including student clubs and organizations, intramural sports, Honors Program, etc.
- If you are planning to transfer to a 4-year college or university, research and know the requirements for admission and graduation at that college or university.
- Know how to complete a degree audit by the time you are half-way through your program.

## Important Dates for Fall 2024 Session A

Registration Begins.....	Monday, April 1
Fees Due.....	Friday, August 9
Classes Begin.....	Monday, August 19
Late Registration; Drop/Add .....	Monday, August 19—Friday, August 23
Last Day to Apply for Fall Graduation.....	Monday, September 30
Last Day for Student to Initiate a Withdrawal.....	Friday, October 18
Final Examinations.....	Friday, December 6—Thursday, December 12

## Important Dates for Spring 2025 Session A

Registration Begins.....	Monday, November 4
Fees Due.....	Friday, January 3
Classes Begin.....	Monday, January 6
Late Registration; Drop/Add .....	Monday, January 6—Friday, January 10
Last Day to Apply for Spring Graduation.....	Monday, February 17
Last Day for Student to Initiate a Withdrawal.....	Friday, March 7
Final Examinations.....	Friday, April 25—Thursday, May 1

## Important Dates for Summer 2025 Session A

Registration Begins.....	Monday, March 31
Fees Due.....	Tuesday, May 6
Classes Begin.....	Wednesday, May 7
Late Registration; Drop/Add.....	Wednesday, May 7—Thursday, May 8
Last Day to Apply for Summer Graduation.....	Monday, June 2
Last Day for Student to Initiate a Withdrawal.....	Wednesday, June 25
Final Examinations.....	Wednesday, July 30—Thursday, July 31

# STUDENT RESOURCES

## ACADEMIC ADVISING

*Is it your first time on campus? Do you need to switch majors or receive academic guidance?*

- ✉ [advising@gulfcoast.edu](mailto:advising@gulfcoast.edu)
- 📍 Leon Miller Navigation Center, Student Union East, Second Floor

## CAMPUS LIFE

*Would you like to participate in campus activities that include free food, student government, games, and intramurals?*

- Contact our Student Activities
- ☎ • (850) 872-3498
- Text GCEVENTS to 79516
- Connect with us on social media
- Visit our Student Union for the game room, video games, pool table, ping pong table and outdoor area

*Want to join a club? Have a specific interest?*

- Visit our website to view the many clubs offered, or start your own!
- 🔗 [gulfcoast.edu/campus-life](http://gulfcoast.edu/campus-life)

*Want to workout?*

- 📍 Visit the weight room and the pool in the Wellness Building
- 🔗 [gulfcoast.edu/wellness](http://gulfcoast.edu/wellness)

## CAMPUS SAFETY

*Do you have questions about how to remain safe while on campus?*

- Sign up for the Gulf Coast Emergency Alert System to stay informed
- 🔗 [gulfcoast.edu/alert](http://gulfcoast.edu/alert)

## COUNSELING CENTER

*Do you need personal assistance such as career development or mental health support?*

- Contact our Counseling Center
  - ✉ [counseling@gulfcoast.edu](mailto:counseling@gulfcoast.edu)
  - 📍 Student Union East, First Floor, Room 36
- Connect with our Licensed Mental Health Counselor
  - ✉ [cboshelle@gulfcoast.edu](mailto:cboshelle@gulfcoast.edu)
  - 📍 Student Union West, First Floor, Room 92
- Access online & community resources
  - 🔗 [gulfcoast.edu/resources](http://gulfcoast.edu/resources)
  - 🔗 [gulfcoast.edu/community](http://gulfcoast.edu/community)
- For career development and guidance, visit our Career Center
  - 📍 Student Union East, First Floor in Room 41
  - ☎ (850) 769-1551 ext 2829

*Are you experiencing financial difficulties not relating to academic expenses?*

- Apply for the Need IT Now Emergency Fund
  - 🔗 [gulfcoast.edu/need-it-now](http://gulfcoast.edu/need-it-now)

## FINANCIAL AID

*Are you in need of financial assistance for school and related expenses?*

- Contact our Financial Aid department
  - 🔗 [gulfcoast.edu/financial-aid](http://gulfcoast.edu/financial-aid)
  - ✉ [FA@gulfcoast.edu](mailto:FA@gulfcoast.edu)
  - ☎ (850) 872-3845
- Apply for a scholarship through the Gulf Coast State College Foundation
  - 🔗 [gcscfoundation.org](http://gcscfoundation.org)

*Supporting student success!*  
**GULF COAST STATE COLLEGE**

## LIFE ESSENTIALS

*Could you use essential resources to support your success during your academics?*

- For nonperishable food, visit our Commodore's Cupboard
  - 📍 Student Union East, First Floor in Room 63
- For professional/job interview attire, visit our Commodore's Closet
  - 📍 Student Union East, First Floor
- For a private place to meditate, visit our Meditation Room
  - 📍 Student Union East, First Floor, Room 41A
- For a private place to pump and store supplies (refrigerator available), visit our Breastfeeding Room
  - 📍 Student Union East, First Floor, Room 41A
- For access to medical care, visit the GCSC PanCare Health Clinic
  - 📍 Rosenwald Building on Panama City campus
  - ☎ (850) 873-3535
  - 🌐 [pancarefl.org/gcsc](http://pancarefl.org/gcsc)
- For access to dental care, visit the GCSC Dental Clinic
  - 📍 Health Sciences Building on Panama City Campus
  - ☎ (850) 872-3833
  - 🌐 [gulfcoast.edu/dental-clinic](http://gulfcoast.edu/dental-clinic)

## STUDENT EMPLOYMENT

*Are you interested in employment that works around your school schedule?*

🌐 [gulfcoast.edu/student-employment](http://gulfcoast.edu/student-employment)

## TRIO

*Are you interested in seeing if you qualify for TRiO's educational and financial services?*

🌐 [gulfcoast.edu/trio](http://gulfcoast.edu/trio)

*(For individuals from disadvantaged backgrounds)*

📍 Student Union West, First Floor

## TUTORING

*Do you need additional support to be successful in your classes?*

Visit our Writing and Reading Lab

🌐 [gulfcoast.edu/writing-reading-lab](http://gulfcoast.edu/writing-reading-lab)

📍 In person tutoring - Rosenwald Building, Room 108

Visit our Math Lab

🌐 [gulfcoast.edu/math-lab](http://gulfcoast.edu/math-lab)

📍 In person tutoring - Student Union West, Room 261

Visit our ACE Lab- Accounting, Computer Science, and Economics

📍 Charles Hilton Center (CHC), Room 225

Visit the Science Lab

📍 Asbell Business, Room 205

🌐 [gulfcoast.edu/science-lab](http://gulfcoast.edu/science-lab)

## STUDENT ACCESSIBILITIES RESOURCE CENTER

*Do you need assistance overcoming environmental and/or educational barriers?*

Contact our Student Accessibility Resources Center

🌐 [gulfcoast.edu/sar](http://gulfcoast.edu/sar)

📍 Student Union East, First Floor

✉ [sar@gulfcoast.edu](mailto:sar@gulfcoast.edu)

☎ 850-747-3243

## VETERAN AFFAIRS

*Are you a current or former military member or spouse and interested in connecting with specialized resources to support your academics?*

Contact the Veteran Affairs department

🌐 [gulfcoast.edu/military-veterans-services](http://gulfcoast.edu/military-veterans-services)

# NOTES

# NOTES



Panama City Campus  
**850.769.1551**

Gulf/Franklin Campus  
**850.227.9670**

North Bay Campus  
**850.747.3233**

Tyndall Education Center  
**850.913.2910**