

ASSOCIATE IN SCIENCE (A.S.)

Associate in Science (A.S.) Degrees

The Associate in Science (A.S.) degree is the two-year career education degree offered by Florida colleges to prepare students for direct entry into the workforce. Some A.S. degrees will transfer to Florida colleges making it possible for students to complete a Bachelor's degree. View your options within the Florida College System at floridashines.org

A.S. programs require a minimum of two years of study. Programs contain a minimum of 15 credit hours of General Education and a minimum of 45 credit hours of career specific courses. The General Education courses are designed to provide students with the general knowledge and skills necessary to succeed in a work environment. Faculty develop the career specific courses to provide students with the knowledge, skills, and competencies required for initial employment. These courses are divided into program specific groupings such as Major Courses, Core Courses and Support Courses. In addition, some programs allow students to select one or more courses from a list of approved Technical Electives.

It is very important that students meet with an academic advisor to carefully plan their schedule to target completion of the A.S. degree program. Certain programs require students to complete technical courses in a specific sequence to ensure learning is maximized. Additionally, courses in A.S. degree programs may only be offered on certain campuses and/or may be offered only during a specific semester.

General Education Requirements

Depending on the program, the courses to be taken as the general education portion of the degree may be specified or may allow students to select from a set of preapproved courses in the area. Equivalent honors-level courses may be used in any area.

Select from the following course options.

Humanities: 3 Credits Required

- 3 credits required

Written Communications: 3 Credits Required

- ENC 1101 Composition 1

Mathematics: 3 Credits Required

Math requirements differ by program. Some programs have specific math requirements which must be met for graduation. If not specifically designated, student may satisfy the math requirement with one of the following courses. All prerequisites must be observed.

Code	Title	Credit Hours
MAC 1105	College Algebra	3
MAC 1114	College Trigonometry	3
MAC 1140	Precalculus Algebra	3
MAC 1147	Precalculus Algebra/Trigonometry	5
MAC 1233	Essentials of Calculus	3
MAC 2311	Calculus 1 with Analytic Geometry	5

MAC 2312	Calculus 2 with Analytic Geometry	5
MAC 2313	Calculus 3 with Analytic Geometry	5
MAD 2104	Discrete Mathematics	3
MAP 2302	Differential Equations	3
MAS 2103	Linear Algebra	3
MGF 1106	Topics in Math	3
MGF 1107	Explorations in Mathematics	3
STA 2023	Statistics	3

Natural Science: 3 Credits Required

If specified in the program, students may select a science course from the list below to satisfy the natural science requirement. However, for graduation purposes, all A.S. students must demonstrate college-level mathematics competency by completing required developmental education courses, even if their program allows the use of a natural science course. Students who are exempted from the placement test are not required to take developmental education mathematics courses.

Developmental Math

- MATV 0028 Developmental Mathematics 2 (with grade of "S")
or
- MATV 0057 Modularized Developmental Mathematics (with grade of "C" or higher)

Science

Code	Title	Credit Hours
BOTC 1010	Botany	4
BSCC 1005	Fundamentals of Biology	4
BSCC 1010	General Biology 1	4
BSCC 1011	General Biology 2	4
BSCC 1084	Survey of Human Anatomy and Physiology	4
BSCC 2093	Human Anatomy and Physiology 1	4
BSCC 2094	Human Anatomy and Physiology 2	4
MCBC 2010	Microbiology for Health Sciences	4
OCBC 2010	Marine Biology	4
ZOOC 1010	Zoology	4
AST 1002	Introduction to Astronomy	3
CHM 1025	College Chemistry	3
CHM 1045	General Chemistry 1	3
CHM 1046	General Chemistry 2	3
CHM 2210	Organic Chemistry 1	3
CHM 2211	Organic Chemistry 2	3
EVR 1001	Introduction to Environmental Science	3
GLY 1000	Introduction to Physical Geology	3
MET 2010	Meteorology	3
OCE 1001	Oceanography	3
PHY 2048	General Physics 1	4
PHY 2049	General Physics 2	4
PHYC 2053	College Physics 1	4
PHYC 2054	College Physics 2	4
PSC 1341	Physical Science for Today's World	3

Humanities Requirement: 3 Credits Required

Unless specified in the program, students may satisfy the humanities requirement with one of the following courses. All prerequisites must be observed.

Code	Title	Credit Hours
ARH 2000	Art Appreciation	3
ARH 2050	Art History and Criticism Survey 1: Prehistory through Late Medieval	3
ARH 2051	Art History and Criticism Survey 2: Early Renaissance to 20th Century	3
HUM 1020	Introduction to the Humanities	3
HUM 2211	Humanities Survey: Ancient through Byzantine Culture	3
HUM 2230	Humanities Survey: Byzantine through Enlightenment	3
HUM 2249	Humanities Survey: Enlightenment through 21st Century	3
HUM 2270	Humanities of West, Central, & Southern Africa, Central & South America, the Middle East, & SE Asia	3
HUM 2390	Themes in the Humanities	3
HUM 2740	Study Abroad in the Humanities	3
LIT 1000	Introduction to Literature	3
MUL 2010	Survey of Music Literature	3
MUT 1111	Music Theory 1	3
PHI 2010	Introduction to Philosophy	3
REL 2300	World Religions	3
THE 2000	Theatre Appreciation	3
THE 2100	History of the Theatre	3

Social/Behavioral Science: 3 Credits Required

Unless specified in the program, students may satisfy the social/behavioral science requirement as follows. If the program specifies "Behavioral Science" choose from list

1. If the program specifies "Social Science" choose from list
2. If the program specifies "Social/Behavioral Science" choose from list
3. All prerequisites must be observed.

List 1: Behavioral Science

Code	Title	Credit Hours
CLP 1001	Psychology of Human Adjustment	3
PSY 2012	General Psychology 1	3
SYG 2000	Introduction to Sociology	3

List 2: Social Science

Code	Title	Credit Hours
AMH 2010	US History to 1877	3
AMH 2020	US History Since 1877	3
EUH 1000	Western Civilization to 1648	3
EUH 1001	Western Civilization Since 1648	3
ISS 2200	Introduction to International Studies	3

POS 2041	American National Government	3
POS 2112	State and Local Government	3

List 3: Social/Behavioral Science

Code	Title	Credit Hours
AMH 2010	US History to 1877	3
AMH 2020	US History Since 1877	3
CLP 1001	Psychology of Human Adjustment	3
ECO 2013	Principles of Economics 1 (Macroeconomics)	3
EUH 1000	Western Civilization to 1648	3
EUH 1001	Western Civilization Since 1648	3
ISS 2200	Introduction to International Studies	3
POS 2041	American National Government	3
POS 2112	State and Local Government	3
PSY 2012	General Psychology 1	3
SOW 2054	Community Involvement	3
SYG 2000	Introduction to Sociology	3

Admissions

Completion of a standard high school diploma or equivalent is required for admission to an A.S. degree. Students must complete the *Application for Admission* to Eastern Florida State College and pay the application fee. An additional application to the program may be required if it is limited access. See the "[Programs and Admission Requirements](#)" listing for specific admission requirements such as testing.

Graduation Requirements for the Associate in Science (A.S.) Degree

Responsibility for meeting the requirements for graduation rests with the student. The Associate in Science degree is awarded to those students who have:

1. Filed an 'Intent to Graduate' Application and paid the graduation fee by the published deadline.
2. Satisfactorily completed the prescribed course of study that totals at least 60 hours.
3. Satisfied entry assessment requirements and/or completed with a grade of "S" or better all required developmental education in reading, writing, and mathematics.
4. Completed at least 25% of the credit hours required for the degree through traditional instruction at EFSC.
5. Completed all coursework with a final grade. Students with a grade of "Incomplete" will not be processed for graduation until a final grade is posted. For graduation in the term of application, the final grade must be posted within the first three weeks of the following term. If the final grade is not posted within the first three weeks of the following term, student must reapply and repay. Student may request to have the "I" converted to a permanent 'F' if the course is not required for the credits to graduate.
6. Achieved a cumulative GPA of 2.00 or higher in all college work attempted. Transfer coursework is included in the cumulative GPA.

7. Submitted all outstanding transcripts and removed all financial obligations to the college. Final transcript and diploma will not be released until student has removed all financial obligations to the college.
 8. Students who are applying for an A.S. degree with imbedded College Credit Certificates (C.C.C.) do not need to apply for the C.C.C.s. They will be awarded automatically for any or all certificates for which requirements have been met.
- [Paralegal Studies \(Legal Assisting\)](#)
 - [Physical Therapist Assistant](#)
 - [Radiography](#)
 - [Respiratory Care](#)
 - [Social and Human Services](#)
 - [Surgical Technology Services](#)
 - [Transportation and Logistics](#)
 - [Veterinary Nursing](#)

A.S. Degrees and Specializations

Please be aware that EFSC offers several A.S. degrees with multiple specializations. Students may receive a specific A.S. degree only one time. While students may take courses from multiple specializations, the degree will be awarded only once. For example, student earns the A.S. in Engineering Technology, with the Advanced Technology Specialization. Student then wants to complete courses in the Electronics Specialization. Student **will not** receive the A.S. in Engineering Technology again. Student will pursue the additional courses as a non-degree major.

The transcript and diploma will be posted with the degree name, not the specialization.

Available Programs

- [Accounting Technology](#)
- [Aerospace Technology](#)
- [Aviation Maintenance Administration](#)
- [Business Administration](#)
- [Business Entrepreneurship](#)
- [Chemical Technology](#)
- [Computer Information Technology](#)
- [Computer Programming and Analysis](#)
- [Crime Scene Technology](#)
- [Criminal Justice Technology](#)
- [Culinary Management](#)
- [Dental Assisting Technology and Management](#)
- [Dental Hygiene](#)
- [Diagnostic Medical Sonography](#)
- [Digital Television and Media Production](#)
- [Drafting and Design Technology](#)
- [Early Childhood Education](#)
- [Educational Technology Assistant](#)
- [Emergency Medical Services](#)
- [Engineering Technology](#)
- [Fire Science Technology](#)
- [Graphics Technology](#)
- [Healthcare Navigator](#)
- [Industrial Management Technology](#)
- [Landscape & Horticulture Technology](#)
- [Medical Assisting Advanced](#)
- [Medical Laboratory Technology](#)
- [Network Systems Technology](#)
- [Nursing RN](#)
- [Office Administration](#)