

A.A. Transfer Roadmap: Mechanical Engineering (MAC 1140/MAC 1114 Option)

How to Use This Roadmap

Use this roadmap to guide your progress and keep you moving toward graduation.

- ☒ **Meet with your advisor each term** to monitor your progress, review requirements (including foreign language), and address concerns early.
- ☒ **Review course requirements before registering** to ensure you meet all requirements and stay on track for graduation.
- ☒ **Maintain your eligibility** by meeting GPA and course completion requirements.
- ☒ **Stay on schedule** to avoid delays and excess credit hours that may not be covered by financial aid.

About the Program

The Associate in Arts (A.A.) degree is specifically intended to meet the requirements of students interested in transferring to one of Florida's many public colleges or universities or continuing to pursue a four-year bachelor's degree at FSCJ. The program aligns general education and elective coursework with common prerequisite requirements for upper-division study and is intended to support a smooth transition into a related bachelor's degree.

Students who have not met the **foreign language requirement** must complete a sequence of two college-credit courses in the same foreign language. These courses may be applied toward elective credit.

This transfer major roadmap requires a **minimum of 68 credit hours**, including general education and elective coursework. **General education courses** are completed across five liberal arts discipline areas, with specific course requirements outlined on the A.A. program catalog page. **Elective coursework** is selected based on the intended transfer major and may include prerequisite courses required by transfer institutions.

Total credit hours and course selections may vary based on a student's transfer institution and academic plan. Students are strongly encouraged to consult an advisor to ensure appropriate course selection and timely progress toward transfer. Course availability and term offerings are subject to change. Refer to the course schedule for current offerings.

More Information Online

Program Webpage: fscj.edu/academics/programs/as/associate-in-arts.

Program Catalog Page: catalog.fscj.edu/programs/1108.

Course Schedule: fscj.edu/schedules.

Minimum Grade Requirements

A minimum grade of **C or higher** is required in courses used to satisfy the following:

- ☐ General education coursework
- ☐ Civic literacy requirement coursework
- ☐ Foreign language coursework

Stay on Track

In order to be awarded the associate in arts degree, students must have met the following requirements:

- ☐ Students must fulfill the specific program requirements as outlined in the Florida State College at Jacksonville Catalog.
- ☐ Earned a cumulative grade point average of 2.0 (C) on a 4.0 scale at Florida State College at Jacksonville in courses eligible toward the associate in arts degree program. (A.A. Florida State College at Jacksonville GPA).
- ☐ Earned an all-college cumulative grade point average of 2.0 (C) on a 4.0 scale on all courses attempted. This requirement includes Florida State College at Jacksonville college-credit semester hours and transferred credits (excluding developmental education) in lower division courses.
- ☐ Earned a grade of at least a C in each course used to satisfy the five General Education Requirements areas: I Communication, II Mathematics, III Humanities, IV Natural Sciences and V Social and Behavioral Sciences.
- ☐ Completed at least 25 percent of credit semester hours required for the degree at Florida State College at Jacksonville. Credit by examination and credit for prior learning do not count toward this residency requirement.
- ☐ Completed 60 semester hours of college credit work as follows:
 - ☐ General Education Requirements (36 semester hours) set forth in the general education requirements of this catalog.
 - ☐ Major elective prerequisites (24 semester hours) set forth in the major prerequisites section of this catalog.
- ☐ Demonstrated competency in a foreign language in accordance with Florida Statute 1007.25. Pursuant to guidelines set in Florida Statute 1007.262, competency is demonstrated by foreign language proficiency (at the intermediate level) equivalent to 2 years in high school or a sequence of two college credit courses in a single foreign language.
- ☐ Demonstrated competency in civic literacy in accordance with s. 1007.25, Florida Statutes (F.S.), and State Board of Education Rule 6A-10.02413, Florida Administrative Code (F.A.C.). Pursuant to guidelines established by Senate Bill 1108, competency is demonstrated by completion of one of three civic literacy courses (AMH 2010, AMH 2020 or POS 2041) with a grade of C or higher AND by achievement of the standard score on a state-approved assessment.
- ☐ Students must have fulfilled all financial obligations to the College before they may graduate.

Sample Roadmap

Term 1

Course	Credits	Course Type	Terms Offered
IDS 1107 – Strategies for the Pursuit of Knowledge	3	A.A. Elective (First Year Experience)	Fall, Spring, Summer
ENC 1101 – English Composition I or ENC 1101C – English Composition I Enhanced	3–4	General Education	Fall, Spring, Summer
MAC 1105 – College Algebra or MAC 1105C – College Algebra Enhanced	3–5	General Education	Fall, Spring, Summer
CHM 1025C – Introduction to General Chemistry	4	A.A. Elective	Fall, Spring, Summer

Tasks to Complete

- ☐ Complete an Academic Degree Plan with your advisor.
- ☐ Check transfer major prerequisites and required G.P.A. before 15 completed credit hours.

Term 2

Course	Credits	Course Type	Terms Offered
ENC 1102 – Writing About Texts	3	General Education	Fall, Spring, Summer
AMH 2010 – United States History to 1877 or AMH 2020 – United States History from 1877 to the Present or POS 2041 – American Federal Government	3	General Education (Civic Literacy)	Fall, Spring, Summer
MAC 1140 – Precalculus Algebra	4	General Education	Fall, Spring, Summer
CHM 2045C – General Chemistry and Qualitative Analysis I	4	A.A. Elective (Transfer Prerequisite)	Fall, Spring, Summer

Tasks to Complete

- ☐ Meet with an advisor for next-term course selection and prerequisite planning.
- ☐ Complete a state-approved civic literacy assessment.

Term 3

Course	Credits	Course Type	Terms Offered
Communication Category C course	3	General Education	Fall, Spring, Summer
MAC 1114 – College Trigonometry	3	A.A. Elective	Fall, Spring, Summer

Tasks to Complete

- ☐ Meet with an advisor to declare your intended baccalaureate transfer major and institution before 30 completed credit hours.
- ☐ Attend a Graduation Check Workshop before 45 credit hours completed.

Term 4

Course	Credits	Course Type	Terms Offered
Humanities Category A course	3	General Education	Fall, Spring, Summer
Social and Behavioral Sciences Category B course	3	General Education	Fall, Spring, Summer
MAC 2311 – Calculus With Analytic Geometry I	4	A.A. Elective (Transfer Prerequisite)	Fall, Spring, Summer

Tasks to Complete

- ☐ Confirm that your prerequisite and elective choices as well as your G.P.A. satisfy transfer institution requirements.
- ☐ Ensure that you fulfill your foreign language requirement. See an advisor for guidance.

Term 5

Course	Credits	Course Type	Terms Offered
Humanities Category A or B course	3	General Education	Fall, Spring, Summer
Social and Behavioral Sciences Category C course	3	General Education	Fall, Spring, Summer
MAC 2312 – Calculus With Analytic Geometry II	4	A.A. Elective (Transfer Prerequisite)	Fall, Spring, Summer
PHY 2048C – Physics I with Calculus	4	General Education (Transfer Prerequisite)	Fall, Spring, Summer

Tasks to Complete

- ☐ Apply to transfer institutions two semesters early.

Term 6

Course	Credits	Course Type	Terms Offered
MAC 2313 – Calculus With Analytic Geometry III	4	A.A. Elective	Fall, Spring, Summer
MAP 2302 – Differential Equations	3	A.A. Elective (Transfer Prerequisite)	Fall, Spring, Summer
PHY 2049C – Physics II With Calculus	4	General Education (Transfer Prerequisite)	Fall, Spring, Summer