

## Exploratory Pathways in STEM: MAC 1140 and MAC 1114 Option

### A.A. (BACCALAUREATE TRANSFER) RECOMMENDED ROADMAP

This **Exploratory Roadmap** is designed for associate in arts degree-seeking students who are considering a career in **Science, Technology, Engineering, and Math (STEM)**. This roadmap was developed for full-time students. If you are a part-time student, please refer to "The Recommended Course Sequencing List for Part-Time Students." "Mile Markers" on the roadmap refer to important program requirements for you to complete each term. Required courses and mile markers for Pathways in STEM may vary for specific transfer majors and institutions. Please see an advisor for guidance about Pathways in STEM.

#### Term 1

Courses	Credit Hours
A.A. Elective/FYE Course: IDS 1107: Strategies for the Pursuit of Knowledge	3
Communications Category A: ENC 1101: English Composition I or ENC 1101C: English Composition I Enhanced	3-4
Mathematics: MAC 1105: College Algebra (MAC 1140 Prerequisite)	3
A.A. Elective: CHM 1025C: Introduction to General Chemistry (CHM 2045C Prerequisite)	4
<b>Subtotal of Term 1 Credit Hours = 13-14</b>	

#### Mile Markers and Notes

- Complete an Academic Degree Plan with your advisor.
- Follow up with an advisor about any accelerated credits that you may have earned (e.g., dual enrollment, AP, CLEP, etc.).
- Complete IDS 1107: Strategies for the Pursuit of Knowledge.
- FREE tutoring is available to FSCJ students in English, math, and a variety of other subjects. To learn more, please visit the Library and Learning Commons online.
- Check transfer major prerequisites and required G.P.A. before 15 completed credit hours.
- Passing score on the Toledo Chemistry test may substitute for CHM 1025C prerequisite requirement.

#### Term 2

Courses	Credit Hours
Communications Category B: ENC 1102: Writing About Texts	3
Social and Behavioral Sciences Category A: Choose a course from Social and Behavioral Sciences Category A in the Catalog.	3
Mathematics Category A: MAC 1140: Precalculus Algebra (MAC 2311 Prerequisite)	4
A.A. Elective/Transfer Prerequisite: CHM 2045C: General Chemistry and Qualitative Analysis I	4
<b>Subtotal of Term 2 Credit Hours = 14</b>	

#### Mile Markers and Notes

- Visit an advisor for assistance with the next term's course selection and for guidance with prerequisite coursework.
- Visit [Career Development](#) and explore [Career Coach](#).
- Fulfill your civic literacy requirement by taking either AMH 2020 or POS 2041 from Social and Behavioral Sciences Category A
- For students who earned a "B" or higher in MAC 1105 and who satisfactorily completed high school trigonometry, the course MAC 1147: Precalculus Algebra and Trigonometry may also be used as the MAC 2311 prerequisite.
- FSCJ faculty and staff care about you and your academic success. A variety of academic and student support services are available to you, including tutoring, advising, and academic success coaching.

## Term 3

Courses	Credit Hours
Communications Category C: Choose a Speech course from Communications Category C in the Catalog.	3
Social and Behavioral Sciences Category B, C, or D in the Catalog: Choose a course from Social and Behavioral Sciences Category B, C, or D in the Catalog.	3
A.A. Elective: MAC 1114: College Trigonometry (MAC 2311 Prerequisite)	3
<b>Subtotal of Term 3 Credit Hours =</b>	<b>9</b>

### Mile Markers and Notes

- Review transfer major prerequisites and required G.P.A.
- Meet with an advisor to declare your intended university transfer major and institution before 30 completed credit hours.

### Important for You to Know:

- Your **Exploratory Roadmap** does not include developmental education courses in reading, writing, and/or mathematics that you may be required to take. In addition, it does not include MAT 1033: Intermediate Algebra, which, for many students, is a prerequisite course for MAC 1105. Please consult with an advisor for individual assistance.
- Students who enter a Florida College System institution in academic year 2014-2015 (and thereafter) must demonstrate **competency in a foreign language** (Florida Statute 1007.25). Students can demonstrate the required competency in one of three ways:
  - Earning two high school credits in the same foreign language;
  - Completing a sequence of two college-credit courses in a single foreign language;
  - Achieving the required level on a language proficiency exam from the American Council for the Teaching of Foreign Languages (ACTFL).

College-level foreign language courses count as A.A. electives and are applied toward your twenty-four hours of required A.A. electives.

- Students who enter a Florida College System institution in academic year 2018-2019 (and thereafter) must demonstrate **competency in civic literacy** (Florida Statute 1007.25). Students can demonstrate the required competency in one of two ways:
  - Completing one of two civic literacy courses (either AMH 2020 or POS 2041) with a grade of C or higher;
  - Achieving the standard score on a state-approved assessment.