Mathematics Option
ASSOCIATE IN ARTS (AA)
2025 - 2026

Student's Name: _____

Student's ID Number: _____

Pathway Navigator: _____ Faculty Advisor: *Keith Owens*

General Education (38 or 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

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
- ☐ _____ — 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
- ☐ REL2121 Intro. to Religion in America+* — 3
- ☐ REL2300 Religions of the World+* — 3
- ☐ _____ — 3

Humanities 3–Literature
Prerequisite ENC1102 with grade "C" or higher.
- ☐ AML2010 Amer. Lit. through Civil War+* — 3
- ☐ AML2020 Amer. Lit: Reconst.–Present+* — 3
- ☐ ENG2111 Literature and Film+* — 3
- ☐ ENL2012 Eng. Lit. through 18th 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
- ☐ _____ — 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.

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

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

Natural Sciences (6 or 7credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●). *See Natural Science Requirement.*

Physical Sciences
- ☐ AST1002 DescriptiveAstronomy● — 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
- ☐ _____

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 (●). 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
- ☐ _____

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

Key

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

Major Electives (11 hours)

This transfer track is designed to prepare students for a career in mathematics. The problem solving skills taught in mathematics prepare students for a great number of job opportunities. A four year degree could lead to employment in academia, a government agency, or the insurance industry. Examples of job titles of people who have earned a baccalaureate degree or higher in mathematics include computer specialist, investment actuary, cost estimator, financial engineer, and numerical methods programmer/analyst. Students are encouraged to be familiar with the admissions requirements at the university they plan to attend.

- ☐ MAC2313 Calculus with Analytic Geometry III+* — 4
- ☐ MAP2302 Differential Equations+ — 3
- ☐ COP1000 Introduction to Programming Logic — 3

Natural Science Requirement
Students must take a science course designed for science majors, with the accompanying lab. Select one of the following three options to satisfy the Natural Sciences requirement.

Option 1 (Students planning to attend FSU)
- ☐ PHY2048 University Physics I●+* — 4
- ☐ PHY2048L University Physics I Lab — 1
  Approved biological science.

Option 2
- ☐ CHM1045 General Chemistry I●+* — 3
- ☐ CHM1045L General Chemistry I Lab — 1
  Approved biological science.

Option 3
- ☐ BSC2010 Biology for Science Majors I●+* — 3
- ☐ BSC2010L Biology for Science Majors I Lab — 1
  Approved physical science.

Electives (10 - 11 hours)

Recommended Elective:
COP2224+ Introduction to C++ Programming, 3 crs. (Prior to enrolling in this course, consult with your faculty advisor and/or the college you plan to attend to find out whether this course will count toward the computer programming requirement.)

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Courses Not Used

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Developmental Courses

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