

# Mathematics Education Option ASSOCIATE IN ARTS (AA) 2024 - 2025

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

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

Pathway Navigator: \_\_\_\_\_ Faculty Advisor: **Amanda Manning**

## General Education (38 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
- \_\_\_\_\_ 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 (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 AMH2010 OR AMH 2020 OR POS 2041 AND passing score on civic literacy exam

#### 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 credits)

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 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

- 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

### Developmental Courses

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

## Major Electives (13 hours)

The purpose of this university transfer track is designed to prepare students for a career in teaching secondary school mathematics. The four year degree will lead to Florida teacher certification. Math Education is a limited access program at most Florida universities. For example, Florida State University requires a 2.5 GPA in the A.A. degree and a score of 960 on the SAT or a 20 on the ACT. In addition to the FSU College of Education criteria, the following also must be met: 1) Complete Calculus II with a "C" or better; 2) a 2.5 GPA; and 3) approval by the department. Students may have additional requirements for admission to a teacher-preparatory program. Please contact a GCSC advisor or the transfer institution for further guidance.

The state of Florida requires a thorough background check by the Florida Department of Law Enforcement prior to students entering the classroom for observations. The college requires the submission of written verification of approved and completed background checks before students may complete on-site course requirements. Student observing in school systems must go to the district in which they will observe and comply with the requirements of that system. GCSC only has articulation agreements with Gulf, Franklin, and Bay county school districts for observation experiences. The student is responsible for all background check fees.

- MAC2313 Calculus with Analytic Geometry III+\* 4
- MAP2302 Differential Equations+ 3
- COP1000 Introduction to Programming Logic 3
- EDF1005 Intro. to the Teaching Profession 3

### Electives (9 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.)

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### Courses Not Used

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

### Key

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