# Computer Science Option
## ASSOCIATE IN ARTS (AA)
### 2024 - 2025

Student's Name: _____

Student's ID Number: _____

Pathway Navigator: _____ Faculty Advisor: _____

## General Education (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
- [ ] THE2071 Survey of Film   3
- [ ] _____

#### Humanities 2–Philosophy/Religion
Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- [ ] HUM2020 Introduction to Humanities●+*   3
- [ ] PHI2010 Intro. to Philosophy●+*   3
- [ ] PHI2600 Ethics+ *   3
- [ ] PHI 2620 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
- [ ] _____

#### Humanities 3–Literature
Prerequisite ENC1102 with grade "C" or higher.

- [ ] AML2010 Amer. Lit. through the Civil War+*   3
- [ ] AML2020 Amer. Lit: Reconst.–Present+*   3
- [ ] AML2600 African-American Literature+*   3
- [ ] ENG2111 Literature and Film+*   3
- [ ] ENL2012 Eng. Lit. through the 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
- [ ] LIT2380 Women in Literature+*   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. There are prerequisites for the courses listed.

- [ ] MAC2311 Calculus with Geometry I●+*   4
- [ ] MAC2312 Calculus with Geometry II+*   4

### Developmental Courses

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

### Key

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

### Natural Sciences (7 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●). There are prerequisites for the courses listed.

#### Physical Sciences

- [ ] PHY2048, University Physics I●+*   4

#### 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
- [ ] _____

### 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

## Major Electives (12 hours)

The purpose of this transfer track is to provide students the opportunity to gain knowledge in the disciplines necessary for a career in computer science. A four year degree could lead to employment in an industrial or financial field, a government agency, a secondary college, or a university. Examples of employment include the development of software, working with robotics, the space industry, programming, sophisticated graphics such as animation and interior design, networking computers, and development of expert systems. Students are encouraged to become familiar with the admissions requirements at the university they plan to attend. Some of the schools in Florida have a limited access to computer science. Students in these schools must achieve at least a 2.5 GPA in all college work attempted and must have completed the State of Florida Common Course Prerequisites with a grade of "C" or better in order to be considered for entrance.

- [ ] PHY2048L University Physics I Lab+*   1
- [ ] PHY2049 University Physics II+*   4
- [ ] PHY2049L University Physics II Lab+*   1
- [ ] COP1000 Introduction to Programming Logic   3

- [ ] COP2224 Introduction to C++ Programming+   3
  *Or*
- [ ] COP2250 Introduction to Java Programming+   3

### Other Electives (9 hours)

- [ ] _____
- [ ] _____
- [ ] _____
- [ ] _____
- [ ] _____

### Courses Not Used

- [ ] _____
- [ ] _____
- [ ] _____
- [ ] _____
- [ ] _____
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### Notes

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