

This Associate in Arts degree program is designed for the student who expects to earn the B.S. degree in Computer Science at Florida State University.

This College of Arts and Sciences major prepares students for advanced study with a broad based background in programming language skills, theoretical computer science, hardware, mathematics, and physical science. Check with an advisor about the Mgmt. Information Systems major in the College of Business.

For additional program information, visit the [FSU website](#), [program description](#), and [academic map](#).

Possible employment areas in this field include programmer (scientific, business, systems), technical writer, systems analyst, operations-research analyst, software engineer, web master, high school teacher, technical support representative, manager, data processing systems manager, network administrator, sales representative for computer or software manufacturer, college or university professor (with additional education). For more information, visit the [Occupational Outlook Handbook](#) website.

*While academic advisors, faculty and staff provide significant academic planning and related assistance to students, completion of all degree requirements, and the process of monitoring progress to that end, is ultimately the responsibility of the student.*

ACADEMIC PLAN: Associate in Arts Degree

## Computer Science: B.S. degree

### Transfer Institution: Florida State University Panama City

Code 1035 Program Length 60 credits

# 2020-2021

For more information Contact:

Student Affairs  
Chipola College  
(850) 718-2266



### Entrance Requirements

This program is limited access. The minimum GPA for acceptance is 2.65.

All first time in college (Fall 2014 and beyond) students are required to successfully complete two years of the same foreign language in high school or two semesters of the same foreign language at the college level before the associate degree is awarded. Home School students must demonstrate competency through competency testing.

**This major is in the College of Arts and Sciences and requires completion of a foreign language through the 2220 level before graduation from FSU.** If the additional foreign language is not taken before transfer, student will be required to take a placement test over the material covered in the first two years before being allowed to take additional foreign language. If the student does not pass, he/she may be denied admission into the program.

The Oral Competency requirement for this major is fulfilled through upper level course work at FSU.

### FRESHMAN YEAR

| 1st Semester                 |                               | Sem. Hrs. | 2nd Semester                            |   | Sem. Hrs. |
|------------------------------|-------------------------------|-----------|---|---|-----------|
| ENC 1101 <sup>1</sup>        | English Composition I         | 3         | ENC 1102 <sup>1</sup>                   | English Composition II                            | 3         |
| COP 2000                     | Intro to Computer Programming | 3         | MAC 1311 <sup>4</sup>                   | Calculus and Analytic Geometry I                  | 4         |
| MAC 1140 & 1114 <sup>4</sup> | Precalculus Algebra and Trig  | 6         | COP 2800 <sup>4</sup>                   | Java Programming                                  | 3         |
| XXX XXXX <sup>1,3,6</sup>    | Social Science Core           | 3         | SPN 1120 <sup>5</sup>                   | Elementary Spanish I                              | 4         |
| SLS 1401                     | Career and Life Planning      | 1         | <b>BSC 2010 &amp; 2010L<sup>2</sup></b> | <b>Integrated Principles of Biology &amp; Lab</b> | <b>4</b>  |
| SLS 1101                     | Orientation                   | 1         |   |   |           |
| <b>TOTAL</b>                 |                               | <b>17</b> | <b>TOTAL</b>                            |   | <b>18</b> |

### SOPHOMORE YEAR

| 1st Semester                            |   | Sem. Hrs. | 2nd Semester            |                                       | Sem. Hrs. |
|---|---|-----------|-------------------------|---------------------------------------|-----------|
| XXX XXXX <sup>1</sup>                   | GORDON RULE WRITING                               | 3         | XXX XXXX <sup>1</sup>   | GORDON RULE WRITING                   | 3         |
| MAC 2312 <sup>4</sup>                   | Calculus and Analytic Geometry II                 | 4         | XXX XXXX <sup>1</sup>   | HUMANITIES CORE                       | 3         |
| COP 2224 <sup>4</sup>                   | C++ Programming                                   | 3         | COP 2535 <sup>4</sup>   | Intro to Data Structures & Algorithms | 3         |
| <b>BSC 2011 &amp; 2011L<sup>2</sup></b> | <b>Integrated Principles of Bio. II &amp; Lab</b> | <b>4</b>  | SPN 2220                | Intermediate Spanish I                | 4         |
| SPN 1121                                | Elementary Spanish II                             | 4         | XXX XXXX <sup>3,6</sup> | Social Science                        | 3         |
| <b>TOTAL</b>                            |   | <b>18</b> | <b>TOTAL</b>            |                                       | <b>16</b> |

<sup>1</sup> See General Education Requirements in the current Chipola College Catalog.

<sup>2</sup> **Students must have a science sequence, choose (BSC 2010 & LAB, and BSC 2011 & LAB) or (PHY 2048C & Lab and PHY 2049C & Lab ). If you choose the physics option, you must also take MAC 2313 since it is a pre- or co-requisite to PHY 2049C. Students may also choose a lecture sequence of CHM 1045, BSC 2010, and BSC 2011.**

<sup>3</sup> FSU requires 6 hrs. of international/diversity courses. If you complete an AA degree before transferring, FSU only requires 3 hrs. of international/diversity coursework. Chipola courses that meet this requirement include AMH 2091/2093, ASH 1044, GEA 2001/2002, REL 2300, SYG 1010, and THE 1000.

<sup>4</sup> Prerequisite Coursework MAC 1311, MAC 2312, COP XXXX (3) Introductory Programming in C, C++, JAVA or equivalent language (C++ preferred).

<sup>5</sup> **This major is in the College of Arts and Sciences and requires completion of a foreign language through the 2220 level before graduation from FSU.**

<sup>6</sup> **All first-time-in-college students (Fall 2018 and beyond) are required to demonstrate competency in civic literacy through one of the following options:**

1) successfully passing either POS 2041 American Federal Government or AMH 2020 American History Since 1865, or 2) achieving the standard score on AP Government and Politics: United States, AP United States History or CLEP: American Government.

|                              |                               |   |                       |                                  |   |
|------------------------------|-------------------------------|---|-----------------------|----------------------------------|---|
| ENC 1101 <sup>1</sup>        | English Composition I         | 3 | ENC 1102 <sup>1</sup> | English Composition II           | 3 |
| COP 2000                     | Intro to Computer Programming | 3 | MAC 1311 <sup>4</sup> | Calculus and Analytic Geometry I | 4 |
| MAC 1140 & 1114 <sup>4</sup> | Precalculus Algebra and Trig  | 6 | COP 2800 <sup>4</sup> | Java Programming                 | 3 |