

This Associate in Arts degree program is designed for students who plan to transfer and earn a degree in any track within the Biology curriculum at Florida State University.

This is an excellent major for pre-med students. However, one year of general physics is required for pre-med majors; students should complete the physics sequence during the junior year at FSU, if not taken at Chipola.

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

Possible employment opportunities for this major include biological scientist, biotechnologist, biostatistician, microbiologist, epidemiologist, molecular biologist, marine biologist, forensic biologist, botanist/zoologist, research biologist, fisheries biologist, geneticist, wildlife ecologist, teacher, environmental resource manager, environmental scientist. For more information please 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**

## Biological Science

### Transfer Institution: Florida State University

**Code** 1019 **Program Length** 60 credits

#### Entrance Requirements

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.** 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.

FSU requires competency in oral communications for graduation. If students took a speech course in high school or were members of a debate team, they may exempt this requirement during the FSU admissions process. If not, students should take SPC 2608 at Chipola to satisfy this requirement.

FSU requires basic computer proficiency. CGS 1060 or CGS 1100; **grade of "C" or higher is required.**

A student who has earned more than one unsatisfactory grade (U, F, or D) in courses or in prerequisites required for the major in biological science (biological science, chemistry, physics, mathematics, and statistics) at FSU or elsewhere, whether or not repeated, will not be permitted to graduate with a degree in biological science from FSU. A minimum 2.0 GPA (no forgiveness) required in the above courses. Take PHY 1053C & 1053L/PHY 1054C & 1054L if possible. Prospective majors must also schedule a preliminary meeting with an FSU undergraduate biological sciences advisor to discuss program requirements.



For more information  
**Contact:**  
 Student Affairs  
 Chipola College  
 (850) 718-2266

#### 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
CHM 1045 & 1045L <sup>2</sup>	General Chemistry I & Lab	4	CHM 1046 & 1046L <sup>2</sup>	General Chemistry II & Lab	4
MAC 1140 & 1114 <sup>2</sup>	Precalculus Algebra & Trig	6	MAC 1311 <sup>2</sup>	Calculus & Analytic Geometry I	4
SLS 1401	Career and Life Planning	1	AMH 2020	American History Since 1865	3
SLS 1101	Orientation	1	XXX XXXX <sup>1</sup>	HUMANITIES CORE	3
<b>TOTAL</b>		<b>15</b>	<b>TOTAL</b>		<b>17</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>2</sup>	Calculus & Analytic Geometry II	4	XXX XXXX <sup>4,6</sup>	SOCIAL SCIENCE	3
BSC 2010 & 2010L <sup>2</sup>	Integrated Principles of Biology I & Lab	4	BSC 2011 & 2011L <sup>2</sup>	Integrated Principles of Biology II & Lab	4
CHM 2210 & 2210L <sup>2</sup>	Organic Chemistry I & Lab	5	CHM 2211 & 2211L <sup>2</sup>	Organic Chemistry II & Lab	4
PHY 1053C & 1053L <sup>3</sup>	General Physics I & Lab	4	PHY 1054C & 1054L <sup>3</sup>	General Physics II & Lab	4
<b>TOTAL</b>		<b>20</b>	<b>TOTAL</b>		<b>18</b>

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

<sup>2</sup> Completed with a grade of "C" or better.

<sup>3</sup> Required for admission to the College of Medicine; take at Chipola or FSU.

<sup>4</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>5</sup> **This major is in the College of Arts and Sciences and requires completion of a foreign language through the 2220 level.**

<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.