

This Bachelor of Science degree program is designed for students who plan to earn a degree in Secondary Education Biology (with Chemistry certification competencies) at Chipola College.

For additional program information, visit the [Chipola website](#).

Possible job titles for students with this major include secondary school teacher, biology textbook author, editor, salesperson, science teaching specialist.

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/Bachelor of Science Degree
Secondary Education Biology (6-12)
 (with Chemistry certification competencies)
Chipola College

Code 1073/4020 Program Length 60/60 credits

Entrance Requirements

A minimum GPA of 2.5 is required. Applicants must have an AA degree and present passing scores on all parts of the general knowledge portion of the FTCE for admission to the Baccalaureate program.

Applicants must complete a self-disclosure form that requires them to respond to any personal criminal background information; they must also be fingerprinted and submit a background check.

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.

FRESHMAN YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
ENC 1101 ¹	English Composition I	3	ENC 1102 ¹	English Composition II	3
BSC 2010 & 2010L ^{2,3}	Int. Principles of Biology I w/ Lab	4	BSC 2011 & 2011L ^{2,3}	Int. Principles of Biology II w/ Lab	4
MAC 1140	Precalculus Algebra	3	EDF 1005 ²	Introduction to Teaching Profession	3
XXX XXXX ⁸	ELECTIVE	3	XXX XXXX ¹	HUMANITIES CORE	3
SLS 1401	Career and Life Planning	1	MAC 1114	Plane Trigonometry	3
SLS 1101	Orientation	1			
TOTAL		15	TOTAL		16

SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
XXX XXXX ¹	GORDON RULE WRITING	3	XXX XXXX ¹	GORDON RULE WRITING	3
XXX XXXX ⁴	CHEMISTRY / PHYSICS OPTION	4	XXX XXXX ⁴	CHEMISTRY / PHYSICS OPTION	4
XXX XXXX ^{8,9}	ELECTIVE	1-3	EME 2040 ¹⁰	Intro to Technology for Educators	3
PSY 2012	General Psychology	3	XXX XXXX ^{1,9}	SOCIAL SCIENCE	3
EDF 2085 ^{10,5}	Intro to Diversity for Educators	3	SPC 2608 ⁶	Effective Public Speaking	3
TOTAL		14-16			16

¹ See General Education Requirements in the current Chipola College Catalog.

² Major courses; must be completed with a grade of "C" or better.

³ **Must complete lecture and lab for BSC 2010/L and BSC 2011/L.**

⁴ **Students shall select two lectures with labs from CHM1045/L, CHM 1046/L, PHY 1053C/L, or PHY 1054C/L.**

⁵ Completion of EDF 2085, TSL 3520, and TSL 4081 meets the diversity requirement only for Chipola. For transfer to other institutions, refer to the "Courses with International or Diversity Focus" in the Chipola Catalog.

⁶ Students may substitute SPC 2017 with department approval; 1 additional hours of elective may be required.

⁷ Or department approved science course.

⁸ Suggested electives are EDG 2316, EDG 2370, or SCE 2905.

⁹ **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.**

¹⁰ Strongly Suggested Course.

2020-2021

For more information
Contact:

Student Affairs
Chipola College
(850) 718-2266



JUNIOR YEAR

Fall Semester		Sem. Hrs.	Spring Semester		Sem. Hrs.
EDF 3214	Human Development & Learning	3	RED 3009	Early & Emergent Literature	3
BSC 2085 & 2085L	Anatomy & Phys I w/Lab	4	RED 3360	Teach Reading in Mid/Sec Schools	3
SCE 3320	Teach in Mid School Science	3	SCE 4330	Teach Methods in Sec Sch Science	3
SCE 2905	Science through Tutoring	1	BSC 2086 & 2086L	Anatomy & Physiology II & Lab	4
SLS 3355L	Orientation to BS in Education Program	0	SCE 4941	Teach Sec Sch Science Practicum	1
SCE 3940	Teach. Mid. Sch. Science Practicum	1	EDF 4430 ⁶	Measure & Eval in Classroom	3
TSL 3520	Language and Cultural Understanding	3			
TOTAL		15	TOTAL		17

SENIOR YEAR

Fall Semester		Sem. Hrs.	Spring Semester		Sem. Hrs.
EDG 4940	Internship I	3			
EDG 4410	Classroom Mgt. & Communication	3	EDG 4941	Internship II	9
BSC 4905 ⁶	Supervised Research in Biology	3	EDG 4936	Senior Seminar	3
BSC 4930 ⁶	Special Topics in Biology	3			
MCB 2010 & 2010L	Microbiology w/Lab	4			
TOTAL		16	TOTAL		12

⁴ Completion of EDF 2085, TSL 3520, and TSL 4081 meets the diversity requirement only for Chipola. For transfer to other institutions, refer to the "Courses with International or Diversity Focus" in the Chipola Catalog.

⁶ Or department approved science course.

To earn a baccalaureate degree from Chipola College, a minimum of 120 semester hours must be completed. At least forty (40) of those hours must be in courses numbered 3000 and above. A minimum of thirty (30) of the (40) hours must be in residence at Chipola College. A total of sixty (60) semester hours of the work credited toward the baccalaureate degree must be earned in an accredited senior institution. Education courses must be completed with a grade of "C" or better.