

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.

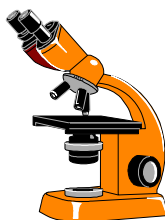
For additional program information, visit the [Chipola website](#).

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: 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.



2015-2016

For more information
Contact:

Student Affairs
Chipola College
(850) 718-2266

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	Int. Principles of Biology I w/ Lab	4	BSC 2011 & 2011L ²	Int. Principles of Biology II w/ Lab	4
or CHM 1045 & 1045L ²	or General Chemistry I w/ Lab		or CHM 1046 & 1046L ²	or General Chemistry II w/ Lab	
XXX XXXX	MATHEMATICS	3	EDF 1005 ²	Introduction to Teaching Profession	3
XXX XXXX	ELECTIVE	3	XXX XXXX ⁶	HUMANITIES CORE	3
SLS 1101	Orientation	1	STA 2023 ³	Intro to Statistics	3
TOTAL		14	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
BSC 2010 & 2010L ²	Int. Principles of Biology I w/ Lab	4	BSC 2011 & 2011L ²	Int. Principles of Biology II w/ Lab	4
or CHM 1045 & 1045L ²	or General Chemistry I w/ Lab		or CHM 1046 & 1046L ²	or General Chemistry II w/ Lab	
SCE 2905	Science Through Tutoring	1	EME 2040 ²	Intro to Technology for Educators	3
or XXX XXXX	or ELECTIVE		XXX XXXX	SOCIAL SCIENCE	3
PSY 2012	General Psychology	3	SPC 2608 ⁵	Effective Public Speaking	3
EDF 2085 ^{2,4}	Intro to Diversity for Educators	3			
TOTAL		14			16

¹ Twelve (12) hours of Gordon Rule Writing are required. In addition to ENC 1101 and ENC 1102, choose from the following courses to complete the 12 hour requirement: AML 2010, AML 2020, ENC 2210, ENL 2012, ENL 2022, HUM 1020, HUM 2020, SPT 2521, or ENC 1133.

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

³ If you have completed STA 2122, you have met this requirement. You cannot receive credit for both STA 2122 and STA 2023.

⁴ Chipola requires 3 hrs. of diversity courses in addition to EDF 2085 and TSL 3520. Chipola courses that meet this requirement include: Social Science - ASH 1044, GEA 2001/2002, REL 2300, SYG 1010, WOH 2012/2022; Humanities - ARH 1000, MUL 2010, SPT 2521; Electives - AMH 2091/2093, FRE 1120/1121/2220/2221, SPN 1120/1121/2220/2221, SPN 1170.

⁵ Students may substitute SPC 2017 with department approval; 2 additional hours of elective may be required.

⁶ Choose one of the following: ARH 1000, MUL 2010, THE 1000.

JUNIOR YEAR

Fall Semester		Sem. Hrs.	Spring Semester		Sem. Hrs.
EDF 3214 ²	Human Development & Learning	3	MCB 2010 & 2010L ^{2,6}	Microbiology with Lab	4
RED 3009 ²	Early & Emergent Literacy	3	BSC 4905 ^{2,6}	Supervised Research in Biology	1-3
BSC 4930	Special Topics in Biology	3	BSC 2086 & 2086L ^{2,6}	Anatomy & Physiology II & Lab	4
SCE 2905 ⁷	Science Through Tutoring	3	RED 3360 ²	Teach. Reading in Mid/Sec Schools	3
SCE 3320 ²	Teach. Meth. in Mid. Sch. Science	3	TSL 3520 ^{2,4}	Language and Cultural Understanding	3
SCE 3940 ²	Teach. Mid. Sch. Science Practicum	1			
TOTAL		16	TOTAL		15-17

SENIOR YEAR

Fall Semester		Sem. Hrs.	Spring Semester		Sem. Hrs.
EDG 4410 ²	Classroom Mgt. & Communication	3	SCE 4945 ²	Student Teaching in Science	10
EDF 4430 ²	Measurement & Evaluation in Classroom	3	SCE 4943 ²	Seminar in Science Education	3
SCE 4330 ²	Teach. Methods in Sec. Science	3			
SCE 4941 ²	Teach. Sec. Sch. Science Practicum	1			
PCB 4043C & 4043L ²	Ecology with Lab	4			
TOTAL		14	TOTAL		13

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

⁶ Or department approved science course.

⁷ This course may be repeated if a student needs additional hours after completing all required courses.

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.