

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](#).

The courses listed on this guide are not to be construed as a contract between the student and Chipola. Course requirements may change each year. You are encouraged to work closely with your advisor.

Bachelor of Science Degree



Secondary Education Biology (6-12)

(with Chemistry certification competencies)

Chipola College

Code **Program Length**
1073 120 credits

Entrance Requirements

A minimum GPA of 2.5 is required. Applicants must pass all four parts of the CLAST exam. If the CLAST requirement is satisfied with an alternative method, then applicants must present passing scores on all parts of the general knowledge portion of the FTCE for admission to the 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.

If two years of high school credit in the same foreign language have been completed, the graduation requirement for a baccalaureate degree in Florida is satisfied. If not, two semesters of the same foreign language must be completed at Chipola before earning the baccalaureate degree.

FRESHMAN YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
ENC 1101	Communication Skills I	4	ENC 1102	Communication Skills II	4
BSC 2010 & 2010L ³	Int. Principles of Biology I w/ Lab		BSC 2011 & 2011L ³	Int. Principles of Biology II w/ Lab	
or CHM 1045 & 1045L ³	or General Chemistry I w/ Lab	4	or CHM 1046 & 1046L ³	or General Chemistry II w/ Lab	4
XXX XXXX	MATHEMATICS	3	EDF 1005 ³	Introduction to Education	3
XXX XXXX ⁴	ELECTIVE	2-3	XXX XXXX	HUMANITIES	3
SLS 1101	Orientation	2	STA 2122	Statistics for Beh./Soc. Sciences	3
TOTAL		15-16	TOTAL		17

SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
XXX XXXX ¹	GORDON RULE WRITING	4	SPC 2600 ²	Effective Public Speaking	3
BSC 2010 & 2010L ³	Int. Principles of Biology I w/ Lab		BSC 2011 & 2011L ³	Int. Principles of Biology II w/ Lab	
or CHM 1045 & 1045L ³	or General Chemistry I w/ Lab	4	or CHM 1046 & 1046L ³	or General Chemistry II w/ Lab	4
SCE 2905	Science Through Tutoring		EME 2040 ³	Intro to Educational Technology	3
or XXX XXXX ⁴	or ELECTIVE	1	XXX XXXX	SOCIAL SCIENCE	3
PSY 2012	General Psychology	3			
EDG 2701 ^{3,4}	Teaching Diverse Populations	3			
TOTAL		15			13

¹ Choose 4 hours from the following: AML 2010, AML 2020, ENL 2012, ENL 2022, ENC 1133, HUM 2216, HUM 2233, or SPT 2521.

² Students may substitute SPC 2016 with department approval.

³ Major courses; must be completed with a grade of "C" or better.

⁴ Six hours of diversity courses are required in addition to EDG 2701. Choose from: AMH 2091, AMH 2092, ARH 1000, ASH 1044, FRE 1120, FRE 1121, FRE 2220, FRE 2221, GEA 2001, GEA 2002, MUL 2010, REL 2300, SPN 1120, SPN 1121, SPN 2220, SPN 2221, SPN 1170, SPT 2521, SYG 1010, TSL 3520, WOH 2012, WOH 2022.

2008-2009

For more information
Contact:

Student Services
Chipola College
(850) 718-2266



JUNIOR YEAR

Fall Semester		Sem. Hrs.	Spring Semester		Sem. Hrs.
EDF 3214 ³	Human Development & Learning	3	MCB 2010 & 2010L ^{3,5}	Microbiology with Lab	4
BSC 2094C ^{3,5}	Anatomy & Physiology II w/ Lab	4	PCB 3023 ^{3,5}	Cell and Molecular Biology	3
PCB 3063 ^{3,5}	Genetics	3	EME 3410 ³	Integrating Tech. in the Classroom	3
SCE 2905 ⁶	Science Through Tutoring	3	RED 3360 ³	Teach. Reading in Mid/Sec Schools	3
SCE 3320 ³	Teach. Meth. in Mid. Sch. Science	3	TSL 3520 ³	Language and Cultural Understanding	3
SCE 3940 ³	Teach. Mid. Sch. Science Pract.	1			
TOTAL		17	TOTAL		16

SENIOR YEAR

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

⁵ Or department approved science course.

⁶ This course may be repeated if a student needs additional hours after completing all required courses.

To earn a baccalaureate degree from Chipola College the following *requirements* must be met:

At least forty (40) semester hours in courses numbered 3000 and above must be earned; at least thirty (30) of the forty (40) hours must be earned in residence at Chipola College; and a total of sixty (60) semester hours of the work credited toward the baccalaureate degree must be earned in an accredited senior institution.