

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.

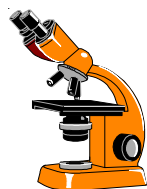
For additional program information, visit the [Chipola website](#).

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

2006-2007

For more information
Contact:

Student Services
Chipola College
(850) 718-2266



Entrance Requirements

A minimum GPA of 2.5 and passing scores on all parts of CLAST are required for admission.

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

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.

All major courses appear in bold print.

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	Int. Principles of Biology I w/ Lab		BSC 2011 & 2011L	Int. Principles of Biology II w/ Lab	
or CHM 1045 & 1045L	or General Chemistry I w/ Lab	4	or CHM 1046 & 1046L	or General Chemistry II w/ Lab	4
XXX XXXX	MATHEMATICS	3	EDF 1005	Introduction to Education	3
XXX XXXX	ELECTIVE	3	XXX XXXX	HUMANITIES	3
SLS 1101	Orientation	1	STA 2023	Introduction to Statistics	3
TOTAL		15	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	Int. Principles of Biology I w/ Lab		BSC 2011 & 2011L	Int. Principles of Biology II w/ Lab	
or CHM 1045 & 1045L	or General Chemistry I w/ Lab	4	or CHM 1046 & 1046L	or General Chemistry II w/ Lab	4
SCE 2905	Science Through Tutoring		EME 2040	Intro to Educational Technology	3
or XXX XXXX	or ELECTIVE	1	XXX XXXX	SOCIAL SCIENCE	3
PSY 2012	General Psychology	3			
EDG 2701	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.

JUNIOR YEAR

Fall Semester		Sem. Hrs.	Spring Semester		Sem. Hrs.
EDF 3214	Human Development & Learning	3	MCB 2010 & 2010L ³	Microbiology with Lab	4
BSC 2094C ³	Anatomy & Physiology II w/h Lab	4	BOT 3015 ³	Plant Biology	3
PCB 3063 ³	Genetics	3	EME 3410	Integrating Tech. in the Classroom	3
SCE 2905 ⁴	Science Through Tutoring	3	RED 3360	Teach. Reading in Mid/Sec Schools	3
SCE 3320	Teach. Meth. in Mid. Sch. Science	3	TSL 3080	ESOL Issues: Principles & Practices	3
SCE 3940	Teach. Mid. Sch. Science Pract.	1			
TOTAL		17	TOTAL		16

SENIOR YEAR

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

³ Or department approved science course.

⁴ 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.