

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 - Science - Biology

(with Chemistry certification competencies)

Chipola College

Code 1073 Program Length 121 credits

2003-2004

For more information
Contact:

Student Services
Chipola College
(850) 718-2266



Entrance Requirements

This is a limited access program.

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 a student has completed two years of high school credit in the same foreign language, he/she meets the graduation requirement for a baccalaureate degree in Florida. If not, the student must complete two semesters of the same foreign language 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
GLY 1001	Introduction to Earth Science	3	CHM 1045 & 1045L	General Chemistry I with Lab	4
MAC 1105 or 1140	College Algebra or Precalculus Alg.	3	EDG 2701	Teaching Diverse Populations	3
EDF 1005	Intro to Education	3	XXX XXXX	HUMANITIES	3
SLS 1101	Orientation	1	STA 2023	Introduction to Statistics	3
TOTAL		14	TOTAL		17
Summer I		Sem. Hrs.			
CHM 1046 & 1046L	General Chemistry II with Lab	4			
TOTAL		4			

SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
HUM 2216 or 2233	Humanities with Writing	4	SPC 2016	Speech Communication for Educators	1
MGF 1106 or	Math for Liberal Arts or	3	XXX XXXX ¹	SOCIAL SCIENCE	3
MAC 1311	Calculus w/ Anal. Geometry I	(5)	EME 2040	Intro to Educational Technology	3
PSY 2012	General Psychology	3	BSC 2011& 2011L	Int. Principles of Biology II w/ Lab	4
BSC 2010 & 2010L	Int. Principles of Biology I w/ Lab	4	AMH 2010 or 2020	American History I or II	3
TOTAL		14-(16)	TOTAL		14

¹ Chipola Education majors must complete three (3) hours of international/diversity course work in addition to EDG 2701 and TSL 3080. Consult with [Dr. Kitty Myers](#) or [Dr. Lou Cleveland](#) concerning this requirement.

JUNIOR YEAR

Fall Semester		Sem. Hrs.	Spring Semester		Sem. Hrs.
EDF 3214 ³	Human Development & Learning	3	MCB 2010 & 2010L	Microbiology with Lab	4
SCE 3320	Teach. Meth. in Mid. Sch. Science	3	BSC 2094C	Anatomy & Physiology II w/h Lab	4
SCE 3940	Teach. Mid. Sch. Science Pract.	1	BOT 3015	Plant Biology	3
BCH 3023	Intro. to Organic & Biochemistry	3	TSL 3080	ESOL Issues: Principles & Practices	3
PCB 3063	Genetics	3	RED 3360	Teach. Reading in Mid/Sec Schools	3
TOTAL		13	TOTAL		17

SENIOR YEAR

Fall Semester		Sem. Hrs.	Spring Semester		Sem. Hrs.
EDG 4410	Classroom Mgt. & Communication	4	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			
PCB 4043C & 4043L	Ecology with Lab	4			
SCE 4941	Teach. Sec. Sch. Science Pract.	1			
TOTAL		15	TOTAL		13

² EDF 3214 satisfies three hours of the 12 hour Social Science requirement for teacher education programs.