

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.

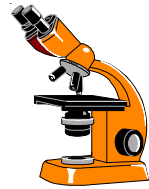
For additional program information, visit the [Chipola website](#).

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

# 2005-2006

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
GLY 1001	<b>Introduction to Earth Science</b>	3	CHM 1045 <sup>1</sup> & 1045L	<b>General Chemistry I with Lab</b>	4
MAC 1105 or 1140	College Algebra or Precalculus Alg.	3	EDG 2701	<b>Teaching Diverse Populations</b>	3
EDF 1005	<b>Intro to Education</b>	3	XXX XXXX	HUMANITIES	3
SLS 1101	Orientation	1	STA 2023	<b>Introduction to Statistics</b>	3
TOTAL		14	TOTAL		17
Summer I		Sem. Hrs.			
CHM 1046 & 1046L	<b>General Chemistry II with Lab</b>	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	
MGF 1106 or MAC 1114	<b>Math for Liberal Arts or Plane Trigonometry</b>	3	or SPC 2600	or Effective Public Speaking	1/3
PSY 2012	General Psychology	3	EME 2040	<b>Intro to Educational Technology</b>	3
BSC 2010 & 2010L	<b>Int. Principles of Biology I w/ Lab</b>	4	BSC 2011 & 2011L	<b>Int. Principles of Biology II w/ Lab</b>	4
			AMH 2010 or 2020	American History I or II	3
			XXX XXXX <sup>2</sup>	SOCIAL SCIENCE	3
TOTAL		14			14/16

<sup>1</sup> Prerequisite of CHM 1030 or one year of high school chemistry.

<sup>2</sup> Chipola Education majors must complete three (3) hours of international/diversity course work in addition to EDG 2701 and TSL 3080.

### JUNIOR YEAR

Fall Semester		Sem. Hrs.	Spring Semester		Sem. Hrs.
EDF 3214 <sup>3</sup>	Human Development & Learning	3	MCB 2010 & 2010L	Microbiology with Lab	4
BCH 3023	Intro. to Organic & Biochemistry	3	BOT 3015	Plant Biology	3
PCB 3063	Genetics	3	BSC 2094C	Anatomy & Physiology II w/h Lab	4
EME 3410	Integrating Tech. in the Classroom	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		16	TOTAL		17

### 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			
PCB 4043C & 4043L	Ecology with Lab	4			
SCE 4941	Teach. Sec. Sch. Science Pract.	1			
TOTAL		14	TOTAL		13

<sup>3</sup> EDF 3214 satisfies three hours of the 12 hour Social Science requirement for teacher education programs.

**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.**