

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.

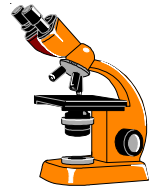
For additional program information, visit the [Chipola website](#).

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 1073 Program Length 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 the general knowledge section 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.

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         |
| <b>BSC 2010 &amp; 2010L</b> | <b>Int. Principles of Biology I w/ Lab</b> |           | <b>BSC 2011 &amp; 2011L</b> | <b>Int. Principles of Biology II w/ Lab</b> |           |
| 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         | <b>EDF 1005</b>             | <b>Introduction to Education</b>            | 3         |
| XXX XXXX                    | ELECTIVE                                   | 3         | XXX XXXX                    | HUMANITIES                                  | 3         |
| SLS 1101                    | Orientation                                | 1         | STA 2122                    | Statistics for Beh./Soc. Sciences           | 3         |
| <b>TOTAL</b>                |  | <b>15</b> | <b>TOTAL</b>                |   | <b>17</b> |

### SOPHOMORE YEAR

| 1st Semester                |  | Sem. Hrs. | 2nd Semester                |   | Sem. Hrs. |
|-----------------------------|--|-----------|-----------------------------|---|-----------|
| XXX XXXX <sup>1</sup>       | GORDON RULE WRITING                        | 4         | SPC 2600 <sup>2</sup>       | Effective Public Speaking                   | 3         |
| <b>BSC 2010 &amp; 2010L</b> | <b>Int. Principles of Biology I w/ Lab</b> |           | <b>BSC 2011 &amp; 2011L</b> | <b>Int. Principles of Biology II w/ Lab</b> |           |
| 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                   |           | <b>EME 2040</b>             | <b>Intro to Educational Technology</b>      | 3         |
| or XXX XXXX                 | or ELECTIVE                                | 1         | XXX XXXX                    | SOCIAL SCIENCE                              | 3         |
| PSY 2012                    | General Psychology                         | 3         |                             |   |           |
| <b>EDG 2701</b>             | <b>Teaching Diverse Populations</b>        | <b>3</b>  |                             |   |           |
| <b>TOTAL</b>                |  | <b>15</b> |                             |   | <b>13</b> |

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

<sup>2</sup> Students may substitute SPC 2016 with department approval.

# 2007-2008

For more information  
Contact:

Student Services  
Chipola College  
(850) 718-2266



## JUNIOR YEAR

| Fall Semester          |                                   | Sem. Hrs. | Spring Semester               |                                     | Sem. Hrs. |
|------------------------|-----------------------------------|-----------|-------------------------------|-------------------------------------|-----------|
| EDF 3214               | Human Development & Learning      | 3         | MCB 2010 & 2010L <sup>3</sup> | Microbiology with Lab               | 4         |
| BSC 2094C <sup>3</sup> | Anatomy & Physiology II w/h Lab   | 4         | PCB 3023 <sup>3</sup>         | Cell and Molecular Biology          | 3         |
| PCB 3063 <sup>3</sup>  | Genetics                          | 3         | EME 3410                      | Integrating Tech. in the Classroom  | 3         |
| SCE 2905 <sup>4</sup>  | Science Through Tutoring          | 3         | RED 3360                      | Teach. Reading in Mid/Sec Schools   | 3         |
| SCE 3320               | Teach. Meth. in Mid. Sch. Science | 3         | TSL 3521                      | 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        |

<sup>3</sup> Or department approved science course.

<sup>4</sup> 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.**