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.

**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.

### Bachelor of Science Degree

**Secondary Education Biology (6-12)**

*(with Chemistry certification competencies)*

**Chipola College**

**Code Program Length**

1073 120 credits

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**2007-2008**

For more information

Contact:

Student Services
Chipola College
(850) 718-2266

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**FRESHMAN YEAR**

--- | --- | --- | ---
ENC 1101 Communication Skills I | 4 | ENC 1102 Communication Skills II | 4
BSC 2010 & 2010L Int. Principles of Biology I w/ Lab or CHM 1045 & 1045L General Chemistry I w/ Lab | 4 | BSC 2011 & 2011L Int. Principles of Biology II w/ Lab or CHM 1046 & 1046L General Chemistry II w/ Lab | 4
XXX XXXX ELECTIVE | 3 | XXX XXXX HUMANITIES | 3
SLS 1101 Orientation | 1 | STA 2122 Statistics for Beh./Soc. Sciences | 3
TOTAL | 15 | TOTAL | 17

**SOPHOMORE YEAR**

--- | --- | --- | ---
XXX XXXX | 4 | SPC 2600 Effective Public Speaking | 3
BSC 2010 & 2010L Int. Principles of Biology I w/ Lab or CHM 1045 & 1045L General Chemistry I w/ Lab | 4 | BSC 2011 & 2011L Int. Principles of Biology II w/ Lab or CHM 1046 & 1046L General Chemistry II w/ Lab | 4
SCE 2905 Science Through Tutoring or XXX XXXX ELECTIVE | 1 | EME 2040 Intro to Educational Technology | 3
PSY 2012 General Psychology | 3 | XXX XXXX SOCIAL SCIENCE | 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

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<tr>
<td>EDF 3214 Human Development &amp; Learning</td>
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<td>MCB 2010 &amp; 2010L</td>
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<td>BSC 2094C Anatomy &amp; Physiology II w/h Lab</td>
<td>4</td>
<td>PCB 3023 Cell and Molecular Biology</td>
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<td>PCB 3063 Genetics</td>
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<td>EME 3410 Integrating Tech. in the Classroom</td>
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<td>SCE 2905 Science Through Tutoring</td>
<td>3</td>
<td>RED 3360 Teach. Reading in Mid/Sec Schools</td>
<td>3</td>
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<tr>
<td>SCE 3320 Teach. Meth. in Mid. Sch. Science</td>
<td>3</td>
<td>TSL 3521 ESOL Issues: Principles &amp; Practices</td>
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<td><strong>TOTAL</strong></td>
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### SENIOR YEAR

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<tr>
<td>EDG 4410 Classroom Mgt. &amp; Communication</td>
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<td>SCE 4945 Student Teaching in Science</td>
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<td>EDF 4430 Measure. &amp; Eval. in Classroom</td>
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<td>SCE 4943 Seminar in Science Education</td>
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<td>SCE 4330 Teach. Methods in Sec. Science</td>
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<td>SCE 4941 Teach. Sec. Sch. Science Pract.</td>
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<tr>
<td>PCB 4043C &amp; 4043L Ecology with Lab</td>
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<td><strong>TOTAL</strong></td>
<td><strong>14</strong></td>
<td><strong>TOTAL</strong></td>
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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.