# Biology B.A.

## Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>General Requirements (Core A - E)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441</td>
<td>42</td>
</tr>
</tbody>
</table>

### Additional Requirements
- **Area F - Courses Appropriate to Major**
  - BIOL 1107: Principles of Biology I
  - BIOL 1108: Principles of Biology II
  - CHEM: Principles of Chemistry I (if not taken in 1211K/1211/1211L Area D1)
  - CHEM: Principles of Chemistry II (if not taken in 1212K/1212/1212L Area D1)

  Students should complete a 1-year sequence in either Geology or Physics (second course will be counted under Major Specific Requirements), or an alternate course approved by advisor.

- **Additional Biology, Computer Science, Foreign Language, Math, Science Course (if needed)**: 0-8

### Major Specific Requirements
- **BIOL 1107L**: Principles of Biology I Laboratory (may count in Area F, if needed)
- **BIOL 1108L**: Principles of Biology Laboratory II (may count in Area F, if needed)
- **Completion of Geology, Physics, or Advisor alternate course (may count if Area F, if needed)**: 4
- **GEOL 1121**: Introduction to the Earth
- **PHYS 1111K**: Introductory Physics I
- **PHYS 2211K**: Principles of Physics I

### Additional Biology, Computer Science, Foreign Language, Math, Science Course (if needed)

### Major Requirements
- **BIOL - Prerequisite Courses (required prior to any BIOL courses at the 4000 and 5000-level)**: 9
  - BIOL 3131: Physiology
  - BIOL 3133: Evolution and Ecology
  - BIOL 3134: Cell and Molecular Biology
- **BIOL - Required Courses**: 4130: Genetics
- **BIOL - Elective Courses (Level 3000 and above)**: 16
  - BCHM 3200 or BCHM 5201 may substitute for a BIOL Elective with Advisor approval.

Three of the above courses must have a laboratory requirement (4 credit hour courses or other dedicated laboratory course).

### Minor (Required)
- **Select 15 credit hours of Minor**: 15

## Foreign Language Requirements

Completion through 2002-level Foreign Language: 0-9

### Electives
- **Must include at least 2 hours of upper-division (3000-level and above) coursework**: 2-19

### Total Credit Hours: 124

1. May be satisfied by a secondary school background showing four (4) years or more of preparation in a single language.

## Other Program Requirements
- Students must have a combined average of “C” or better for all biology courses.
- Students must earn a “C” or better for the prerequisite biology courses BIOL 1107, BIOL 1107L, BIOL 1108, BIOL 1108L, BIOL 3131, BIOL 3133, BIOL 3134.
- Students must successfully complete the Major Field Test as a departmental exit exam.
- Students who wish to change their major to Biology must have a total institution GPA of 2.0 or better in all coursework completed at Georgia Southern.
- Transfer students from other institutions who wish to major in Biology must have a GPA of 2.0 or better on all credit hours attempted at other institutions as well as those hours attempted at Georgia Southern.

## Honors in Biology

For students entering the University Honors Program as a freshman and seeking to complete the Departmental Honors in Biology, it is highly recommended that these freshmen complete:

### Freshman/Sophomore Level Courses
- **BIOL 1107**: Principles of Biology I
- **& 1107L**: Principles of Biology I Laboratory
- **BIOL 1108**: Principles of Biology II
- **& 1108L**: Principles of Biology II Laboratory
- **CHEM 1211**: Principles of Chemistry I
- **CHEM 1212**: Principles of Chemistry II
- **FYE 1220**: First-Year Seminar
- **MATH 1441**: Calculus I

### Required Biology Honors Courses
- **Sophomore/Junior Level Courses**: 5
  - **BIOL 2320**: Research Methods Biology
- **Junior/Senior Level Courses**: 6
  - **BIOL 4895**: Honors Research
  - **BIOL 4999**: Honors Thesis
- **Recommended Biology Honors Courses**: 3

### Required and Recommended Credit Hours: 33

A student who does not enter the Departmental Honors in Biology Program as a freshman will be considered for admittance based on the following criteria:

- **Freshman Year - Overall GPA of 3.3 or higher, if completed BIOL 1107 and BIOL 1108 must have a grade of "A" in both courses, or an "A" and "B".
- **Sophomore Year - Overall GPA of 3.3 or higher, including completion of BIOL 1107, BIOL 1108, and one intermediate prerequisite ( BIOL 3131, BIOL 3133, or BIOL 3134) with a GPA of at least 3.3 in these classes.**
Typically, students with 3 semesters or less to complete their degree are not eligible to enter the Departmental Honors in Biology Program.

After entering the Departmental Honors in Biology Program, students are required to complete the required biology honors courses and the capstone experience to earn Departmental Honors in Biology. Students also would be required to maintain a 3.3 overall GPA, including a GPA of 3.3 in courses supportive of the major.