

# Biology B.A.

## Degree Requirements: 124 Credit Hours

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

	Credit Hours
<b>General Requirements (Core A - E)</b>	<b>42</b>
Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441	
<b>Additional Requirements</b>	<b>4</b>
<b>Area F - Courses Appropriate to Major</b>	<b>18</b>
BIOL 1107 Principles of Biology I	
BIOL 1108 Principles of Biology II	
CHEM Principles of Chemistry I (if not taken in 1211K/1211/1212 Area D1)	
CHEM Principles of Chemistry II (if not taken in 1212K/1212/12 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	
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)	
<b>Major Specific Requirements</b>	<b>6</b>
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)	
GEOL 1122 General Historical Geology	
PHYS 1112K Introductory Physics II	
PHYS 2212K Principles of Physics II	
<b>Major Requirements</b>	<b>9</b>
BIOL - Prerequisite Courses (required prior to any BIOL courses at the 4000 and 5000-level)	
BIOL 3131 Physiology	
BIOL 3133 Evolution and Ecology	
BIOL 3134 Cell and Molecular Biology	
<b>BIOL - Required Courses</b>	<b>3</b>
BIOL 4130 Genetics	
<b>BIOL Electives</b>	<b>16</b>
BIOL - Elective Courses (Level 3000 and above)	
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)	
Department recommends that one of the above courses qualify as a "capstone" experience; see Dept. website for list of qualifying courses. A maximum of 5 credit hours of capstone courses can be applied to the B.A. with a Major in Biology degree	
<b>Minor (Required)</b>	<b>15</b>
Select 15 credit hours of Minor	

<b>Foreign Language Requirements</b>	<b>0-9</b>
Completion through 2002-level Foreign Language <sup>1</sup>	
<b>Electives</b>	<b>2-19</b>
Must include at least 2 hours of upper-division (3000-level and above) coursework	
<b>Total Credit Hours</b>	<b>124</b>

<sup>1</sup> 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 pre-requisite 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.
- All transfer credits must be evaluated by the Undergraduate Office of Admissions and posted on the Georgia Southern transcript upon official acceptance to the University.

## Honors in Biology

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

	Credit Hours
<b>Freshman/Sophomore Level Courses</b>	
BIOL 1107 Principles of Biology I & 1107L and Principles of Biology I Laboratory	
BIOL 1108 Principles of Biology II & 1108L and Principles of Biology Laboratory II	
CHEM 1211 Principles of Chemistry I	
CHEM 1212 Principles of Chemistry II	
FYE 1220 First-Year Seminar	
MATH 1441 Calculus I	
<b>Required Biology Honors Courses</b>	
Sophomore/Junior Level Courses	5
BIOL 2320 Honors Research Methods Biology	
Junior/Senior Level Courses	6
BIOL 4895 Honors Research	
BIOL 4999 Honors Thesis	
<b>Recommended Biology Honors Courses</b>	
BIOL 3630 Current Trends in Biol. Res.	
<b>Required and Recommended Credit Hours</b>	<b>33</b>

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 a "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.*

## **Advisement**

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (<http://catalog.georgiasouthern.edu/undergraduate/academic-resources/programs-requirements/advisement/>) catalog page.