Biology B.S.

Degree Requirements: 124 Credit Hours

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

General Requirements (Core A - E)  
Credit Hours  
Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441  
Area DII -- Must take MATH 1441 if not taken in Area A2 above  
Additional Requirements  
Area F - Courses Appropriate to Major  
BIOL 1107 Principles of Biology I  
BIOL 1108 Principles of Biology II  
CHEM 1211/1211/12111 Area D1  
CHEM 3401 Principles of Chemistry I (if not taken in  
1211K/1211/12111 Area D1)  
CHEM 3402 Principles of Chemistry II (if not taken in  
1212K/1212/12121 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  
GEOG 1121 Introduction to the Earth  
PHYS 1111K Introductory Physics I  
PHYS 2211K Principles of Physics I  
Additional Biology, Computer Science, Foreign, Math,  
Science Course (if needed)  
Major Specific Requirements  
Carry-over from MATH 1441 Calculus I in Area A or Area  
D2  
BIOL 1107L Principles of Biology I Laboratory  
BIOL 1108L Principles of Biology Laboratory II  
CHEM 3401 Organic Chemistry I  
CHEM 3402 Organic Chemistry II  
Completion of Geology, Physics, or Advisor alternate  
course (may count if Area F, if needed)  
GEOG 1122 General Historical Geology  
PHYS 1112K Introductory Physics II  
PHYS 2212K Principles of Physics II  
Major Requirements  
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  
BIOL-Required Courses  
BIOL 4130 Genetics  
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 (BIOL 4 credit hour courses or other  
dedicated laboratory course)

Total Credit Hours 124

Electives  
Credit Hours  
10-18

Other Program Requirements

- 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.  
- 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 have a combined average of “C” or better for all biology  
courses  
- Students must successfully complete the Major Field Test as a  
departmental exit exam.

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 1107</td>
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</tr>
<tr>
<td>BIOL 1108</td>
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<tr>
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<tr>
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<td>MATH 1441</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3133</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3134</td>
<td>3</td>
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</tbody>
</table>

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.