



**:: Recommended Path ::**

**This is the Recommended Path for Biological Sciences, BS / Marine Biology for the 2012-2013 catalog year.**

120 Hours.

**ADMISSION TO THE COLLEGE OF SCIENCE.**

Students who plan to enter the College of Science should give special attention to the mathematics and science courses they select and should consult a representative of the department they plan to enter prior to completing registration.

Students will be admitted to the college when they have:

- earned 24 or more semester hours of credit in courses numbered 1000 or above;
- maintained a GPA of at least 2.0 on both Cumulative and LSU averages;
- passed all courses in mathematics and science with a "C" or better;
- credit in ENGL 1001 with a "C" or better;
- earned credit in either MATH 1022/1023/1550 or 1551 with a "C" or better.

**ADMISSION to the DEPARTMENT OF BIOLOGICAL SCIENCES.**

In addition to admission to the College, entry into any of the three degree programs in Biological Sciences (biochemistry, biological sciences, and microbiology) requires earned credit in BIOL 1201, 1202, CHEM 1201, and MATH 1550.

**SCHOLASTIC REQUIREMENTS.** Students must maintain a 2.0 GPA (Cumulative and LSU) and earn a "C" or better in all required science and mathematics courses, and in ENGL 1001 and 2000. A student who fails to earn a 2.0 Semester GPA or who earns grades of D/F in courses requiring "C" or higher will be considered "off track" and will be called in for additional advising.

**NOTE:** This document is offered as an aid for planning a course of study. The LSU General Catalog contains the official requirements for graduation.

**\*\* This curriculum assumes students enter the university ready to take MATH 1550, BIOL 1201, and ENGL 1001 (as demonstrated through placement tests). Students needing to complete a preparatory course, e.g., MATH 1022/1023, should plan to attend summer school to catch up with the curriculum. \*\***

**RECOMMENDED PATH & CRITICAL REQUIREMENTS**

The **RECOMMENDED PATH** shows how one may complete the curriculum in 4 years. **CRITICAL REQUIREMENTS** must be met by the indicated semester to be considered making minimal progress in the degree. All BIOL majors follow a similar basic curriculum during the first 5 semesters, regardless of concentration.

Sem 1: "C" or better in ENGL 1001 and CHEM 1201; 2.0 Cumulative, LSU and Semester GPA.

Sem 2: "C" or better in BIOL 1201 and MATH 1550; 2.0 Cumulative, LSU and Semester GPA.

Sem 3: "C" or better in BIOL 1202 and CHEM 1202; Admission to the College; 2.0 Cumulative, LSU and Semester GPA.

Sem 4: "C" or better in CHEM 2261; 2.0 Cumulative, LSU and Semester GPA.

Sem 5: "C" or better in BIOL 2051 and BIOL 2153; 2.0 Cumulative, LSU and Semester GPA.

Sem 6: 2.0 Cumulative, LSU and Semester GPA.

Sem 7: 2.0 Cumulative, LSU and Semester GPA.

Sem 8: 2.0 Cumulative, LSU and Semester GPA.

**1st Semester**

<b>Critical: "C" or better in ENGL 1001 and CHEM 1201; 2.0 Cumulative, LSU and Semester GPA.</b>	
<b>BIOL 1201 FOR SCI MAJ I</b> [ACT COMPOSITE 23 OR CHEM 1201]	3
BIOL 1208 BIOL LAB SCI MAJ I [CR: BIOL 1201]	1
<b>CHEM 1201 GENERAL CHEMISTRY</b> [CR: MATH 1022/1023/1431/1550/1551 OR CO: MATH 1021 AND CHEM 1200]	3
<b>ENGL 1001 ENGL COMPOSITION</b>	3
<b>MATH 1550 AN GEOM &amp; CALCULUS-I</b>	5
GEN. ED. COURSE - ARTS	3
<b>Total Semester Hours: 18</b>	

**2nd Semester**

<b>Critical: "C" or better in BIOL 1201 and MATH 1550; 2.0 Cumulative, LSU and Semester GPA.</b>	
<b>BIOL 1202 BIOL FOR SCI MAJ II</b> [BIOL 1201]	3

BIOL 1209 BIOL LAB SCI MAJ II [BIOL 1208 CR: BIOL 1202]	1
<b>CHEM 1202 GENERAL CHEMISTRY</b> [CHEM 1201]	3
CHEM 1212 GENERAL CHEM LAB [CR: CHEM 1002/1202/1422]	2
MATH 1552 / MATH 1554 / EXST 2201	4
OCS 1005 INTRO OCEANOGRAPHY	3
<b>Total Semester Hours: 16</b>	

**3rd Semester**

<b>Critical: "C" or better in BIOL 1202 and CHEM 1202; Admission to the College; 2.0 Cumulative, LSU and Semester GPA.</b>	
<b>BIOL 2051 OR BIOL 2153</b>	4
<b>CHEM 2261 ORGANIC CHEMISTRY</b> [CHEM 1202]	3
GEN. ED. COURSE - HUMANITIES (ENGLISH/HONORS AT THE 2000-LEVEL OR ABOVE)	6
FIRST COURSE IN FOREIGN LANGUAGE SEQUENCE <sup>1</sup>	4
<b>Total Semester Hours: 17</b>	

**4th Semester**

<b>Critical: "C" or better in CHEM 2261; 2.0 Cumulative, LSU and Semester GPA.</b>	
<b>BIOL 2153 OR BIOL2051</b>	4
CHEM 2262 ORGANIC CHEMISTRY [CHEM 2261]	3
CHEM 2364 ORGANIC CHEM LAB [CHEM 1212, 2060 CR: CHEM 2262/2462]	2
ENGL 2000 ENGLISH COMP [ENGL 1001]	3
SECOND COURSE IN FOREIGN LANGUAGE SEQUENCE <sup>1</sup>	4
<b>Total Semester Hours: 16</b>	

**5th Semester**

<b>Critical: "C" or better in BIOL 2051 or BIOL 2153; 2.0 Cumulative, LSU and Semester GPA.</b>	
BIOL 4087 OR (4093 AND 4094)	4-6
BIOL 3040 EVOLUTION [BIOL 2153]	3
PHYS 2001 GENERAL PHYSICS [MATH 1022/1023]	3
PHYS 2108 LAB WRK TECHN PHYS [CR: PHYS 2001/2101]	1
APPROVED ELECTIVE	3-1
<b>Total Semester Hours: 14</b>	

**6th Semester**

<b>Critical: 2.0 Cumulative, LSU and Semester GPA.</b>	
PHYS 2002 GENERAL PHYSICS [PHYS 2001]	3
PHYS 2109 GEN PHYSICS LAB [PHYS 2108 CR: PHYS 2002/2102]	1
GEN. ED. COURSE - SOCIAL SCIENCES <sup>3</sup>	3
APPROVED BIOLOGICAL SCIENCES ELECTIVES <sup>2</sup>	6
<b>Total Semester Hours: 13</b>	

**7th Semester**

<b>Critical: 2.0 Cumulative, LSU and Semester GPA.</b>	
BIOL 4262 MARINE COMMUNITIES [BIOL 2153]	3
BIOL 4090/4145/4154	4-3
GEN. ED. COURSE - SOCIAL SCIENCES <sup>3</sup>	3
APPROVED ELECTIVE	1-2
APPROVED AREA OF CONCENTRATION ELECTIVE <sup>4</sup>	3
<b>Total Semester Hours: 14</b>	

**8th Semester**

<b>Critical: 2.0 Cumulative, LSU and Semester GPA.</b>	
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GEN. ED. COURSE - HUMANITIES	3
APPROVED ELECTIVES	2
APPROVED AREA OF CONCENTRATION ELECTIVES <sup>4</sup>	7
<b>Total Semester Hours: 12</b>	

1 - Option: Complete foreign language requirement (shown in semester 3 and 4) in semesters 1 and 2 if continuing in the language studied in high school.

2 - See list and requirements for biological sciences electives in the General Catalog.

3 - General Education Social Science Course at 2000-level or above.

4 - Choose 8-9 hrs. from the following: BIOL 3040, 3999, 4020, 4090, 4145, 4154, 4155, 4253, 4254, 4263, 4308, 4600, and 4653.