

# B.S. in Biological Science

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### Degree Requirements

The academic regulations for this degree program, as entered in the University of Mississippi Catalog, are in effect for the current or selected academic year and semester. The University of Mississippi reserves the right to 1) change or withdraw courses; 2) change rules for registration, instruction, and graduation; and 3) change other regulations affecting the student body at any time.

### B.S. in Biological Science

#### General Education

REQUIREMENT	HOURS	DESCRIPTION
First Year Writing I	3	Complete <a href="#">Hon 101</a> , <a href="#">Writ 100</a> or <a href="#">Writ 101</a> with a passing grade.
First Year Writing II	3	Complete one of the following courses with a passing grade: <a href="#">Liba 102</a> , <a href="#">Writ 102</a> or <a href="#">Hon 102</a> .
6 hrs literature survey	6	Complete 6 hours of literature survey with a passing grade. Choose from the following courses: <a href="#">Eng 220</a> , <a href="#">221</a> , <a href="#">222</a> , <a href="#">223</a> , <a href="#">224</a> , <a href="#">225</a> , or <a href="#">Eng 226</a> .
3 hrs fine arts	3	The course may be chosen from art history, music, dance, and theatre arts. Studio and workshop courses cannot be used to satisfy this requirement. Courses that satisfy this requirement are any Art History (AH); <a href="#">Liba 130</a> , <a href="#">204</a> , <a href="#">314</a> ; <a href="#">Mus 101</a> , <a href="#">102</a> , <a href="#">103</a> , <a href="#">104</a> , <a href="#">105</a> ; <a href="#">Danc 200</a> ; <a href="#">Thea 201</a> , <a href="#">202</a> . Students who have completed 30 semester hours of undergraduate course work may fulfill the requirement with a 300- or 400-level art history course.
6 hrs science	6	Successfully complete 2 courses of laboratory science.
2 science labs	8	Successfully complete at least two science laboratory courses.
6 hrs Soc Sci & Hum	6	The courses may be chosen from African American studies, American Sign Language, anthropology, classical civilization, economics, <a href="#">Envs 101</a> , gender studies, Greek, history, Latin, <a href="#">Liba 202</a> , <a href="#">312</a> , linguistics, any of the languages offered by the Department of Modern Languages, philosophy, political science, psychology, religious studies, sociology, and Southern studies; any 3-credit Spch, Rhet, or Writ at the 200-level or higher. <a href="#">Rhet 201</a> . At least 6 hours must be chosen from among the social sciences, which consists of anthropology, economics, <a href="#">Liba 203</a> , <a href="#">313</a> , political science, psychology, and sociology.
6 hrs Social Science	6	Social Sciences can be chosen from the following: anthropology, economics, <a href="#">Liba 203</a> , <a href="#">313</a> , political science, psychology, and sociology.

#### General Education II

REQUIREMENT	HOURS	DESCRIPTION
Related subjects residence	6	Students must complete at least 6 of the required 18 hours of related subject course work in residence.
Related subjects residence GPA		Student must achieve a GPA of 2.00 in resident hours in related subjects.
Related subjects	18	Complete at least 18 credit hours in the following areas: anthropology, chemistry, geology, math, physics, or psychology.
Related subject GPA		Student must achieve a GPA of 2.00 overall in the related subjects.

#### Major Requirements

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Bisc 160</a> and <a href="#">161</a>	4	<a href="#">Bisc 160: Biological Sciences I</a> , <a href="#">Bisc 161: Biological Sciences I Laboratory</a>
<a href="#">Bisc 162</a> and <a href="#">163</a>	4	<a href="#">Bisc 162: Biological Sciences II</a> , <a href="#">Bisc 163: Biological Sciences II Laboratory</a>
<a href="#">Bisc 322</a>	4	<a href="#">Bisc 322: General Ecology</a>
<a href="#">Bisc 330</a> or <a href="#">438</a> or <a href="#">516</a>	4	<a href="#">Bisc 330: Principles of Physiology</a> , <a href="#">Bisc 516: Plant Physiology</a> , <a href="#">Bisc 438: Microbial Physiology</a>
<a href="#">Bisc 336</a>	4	<a href="#">Bisc 336: Genetics</a>
4 hrs advanced Biology	4	Complete 4 hrs of advanced Biology with a grade of C or better chosen from the following courses: <a href="#">Bisc 415</a> , <a href="#">418</a> , <a href="#">427</a> , <a href="#">440</a> , <a href="#">504</a> , <a href="#">512</a> , <a href="#">518</a> , <a href="#">519</a> , <a href="#">521</a> , <a href="#">530</a> , <a href="#">547</a> , and <a href="#">Bisc 553</a> .
18 hrs electives	18	Complete a minimum of 18 credit hours of Bisc electives at the 300 level or above with a grade of C or better.
<a href="#">Bisc 498</a>		<a href="#">Bisc 498: Major Field Achievement Test</a>
34 hrs Biology 300+	34	

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REQUIREMENT	HOURS	DESCRIPTION
42 hours Biology	42	Complete at least 42 hours of Biology courses with a grade of C or better.
Biology residency hrs	18	Student must earn at least 18 hours of their major courses in residence. Directed Study ( <a href="#">Bisc 492</a> ), <a href="#">Bisc 102</a> , <a href="#">Bisc 103</a> , <a href="#">Bisc 104</a> , <a href="#">Bisc 105</a> , <a href="#">Bisc 206</a> , <a href="#">Bisc 207</a> , seminars, and non-major courses do not satisfy departmental core requirements for biology majors.
Overall Major GPA		Please contact your academic advisor for grade point requirements.
Resident Major GPA		Please contact your academic advisor for grade point requirements.

### **Major Requirements II**

REQUIREMENT	HOURS	DESCRIPTION
6 hrs in calculus	6	Successfully complete <a href="#">Math 261</a> and <a href="#">Math 262</a> .
<a href="#">Chem 105</a>	3	Complete <a href="#">Chem 105</a> with a passing grade.
<a href="#">Chem 106</a>	3	Complete <a href="#">Chem 106</a> with a passing grade.
<a href="#">Chem 115</a>	1	Complete <a href="#">Chem 115</a> with a passing grade.
<a href="#">Chem 116</a>	1	Complete <a href="#">Chem 116</a> with a passing grade.
<a href="#">Chem 221</a>	3	Complete <a href="#">Chem 221</a> with a passing grade.
<a href="#">Chem 222</a>	3	Complete <a href="#">Chem 222</a> with a passing grade.
<a href="#">Chem 225</a>	1	Complete <a href="#">Chem 225</a> with a passing grade.
<a href="#">Chem 226</a>	1	Complete <a href="#">Chem 226</a> with a passing grade.

### **Emphasis-Integrative Biology**

REQUIREMENT	HOURS	DESCRIPTION
3 courses Integrative	12	Complete 3 courses with a grade of C or better one from each of the following emphases: Ecology & Evolutionary Biology; Molecular, Cellular, Microbiology; and Organismal Biology, excluding <a href="#">Bisc 300</a> .

### **Emphasis-Ecology & Evolutionary Biology**

REQUIREMENT	HOURS	DESCRIPTION
3 courses Ecology/Evolut Biol	12	Complete 3 courses with a grade of C or better chosen from the following: <a href="#">Bisc 300</a> , <a href="#">301</a> , <a href="#">305</a> , <a href="#">320</a> , <a href="#">321</a> , <a href="#">323</a> , <a href="#">345</a> , <a href="#">352</a> , <a href="#">413</a> , <a href="#">417</a> , <a href="#">435</a> , <a href="#">443</a> , <a href="#">445</a> , <a href="#">448</a> , <a href="#">451</a> , <a href="#">504</a> , <a href="#">505</a> , <a href="#">510</a> , <a href="#">513</a> , <a href="#">514</a> , <a href="#">515</a> , <a href="#">524</a> , <a href="#">525</a> , <a href="#">528</a> , <a href="#">530</a> , <a href="#">534</a> , <a href="#">535</a> , <a href="#">540</a> , <a href="#">550</a> , <a href="#">554</a> , <a href="#">560</a> , <a href="#">566</a> , <a href="#">567</a> , & <a href="#">Bisc 568</a> .

### **Emphasis-Molecular, Cellular, & MicroBio**

REQUIREMENT	HOURS	DESCRIPTION
3 courses Mol/Cell/Microbiology	12	Complete 3 courses with a grade of C or better chosen from the following: <a href="#">Bisc 300</a> , <a href="#">305</a> , <a href="#">306</a> , <a href="#">333</a> , <a href="#">370</a> , <a href="#">372</a> , <a href="#">414</a> , <a href="#">418</a> , <a href="#">436</a> , <a href="#">438</a> , <a href="#">439</a> , <a href="#">503</a> , <a href="#">507</a> , <a href="#">509</a> , <a href="#">511</a> , <a href="#">520</a> , <a href="#">521</a> , <a href="#">522</a> , <a href="#">523</a> , <a href="#">541</a> , <a href="#">542</a> , <a href="#">548</a> , <a href="#">555</a> , & <a href="#">Bisc 560</a> .

### **Emphasis-Organismal Biology**

REQUIREMENT	HOURS	DESCRIPTION
3 courses Organismal Bio	12	Complete 3 courses with a grade of C or better chosen from the following: <a href="#">Bisc 300</a> , <a href="#">305</a> , <a href="#">310</a> , <a href="#">318</a> , <a href="#">327</a> , <a href="#">329</a> , <a href="#">330</a> , <a href="#">331</a> , <a href="#">332</a> , <a href="#">334</a> , <a href="#">335</a> , <a href="#">337</a> , <a href="#">338</a> , <a href="#">339</a> , <a href="#">342</a> , <a href="#">349</a> , <a href="#">350</a> , <a href="#">352</a> , <a href="#">415</a> , <a href="#">416</a> , <a href="#">427</a> , <a href="#">502</a> , <a href="#">504</a> , <a href="#">512</a> , <a href="#">516</a> , <a href="#">518</a> , <a href="#">519</a> , <a href="#">528</a> , <a href="#">529</a> , <a href="#">531</a> , <a href="#">532</a> , <a href="#">533</a> , <a href="#">538</a> , <a href="#">543</a> , <a href="#">546</a> , <a href="#">547</a> , <a href="#">551</a> , & <a href="#">Bisc 553</a> .

### **Emphasis-Pre-Health Biological Sciences**

REQUIREMENT	HOURS	DESCRIPTION
3 courses Pre-Health Biol	12	Complete 3 courses with a grade of C or better chosen from the following: <a href="#">Bisc 300</a> , <a href="#">305</a> , <a href="#">306</a> , <a href="#">310</a> , <a href="#">327</a> , <a href="#">330</a> , <a href="#">331</a> , <a href="#">332</a> , <a href="#">333</a> , <a href="#">335</a> , <a href="#">372</a> , <a href="#">414</a> , <a href="#">415</a> , <a href="#">417</a> , <a href="#">436</a> , <a href="#">439</a> , <a href="#">507</a> , <a href="#">520</a> , <a href="#">521</a> , <a href="#">529</a> , <a href="#">533</a> , <a href="#">541</a> , and <a href="#">Bisc 543</a> .

