

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 Hon 101 , Writ 100 or Writ 101 with a passing grade. |
| First Year Writing II | 3 | Complete one of the following courses with a passing grade: Liba 102 , Writ 102 or Hon 102 . |
| 3 hrs fine arts | 3 | Complete 3 hours in the area of fine or performing arts. Choose from art history, music, dance, and theatre arts. Studio and workshop courses cannot be used to satisfy this requirement. Acceptable freshman or sophomore-level courses are: AH 101 , AH 102 , AH 201 , AH 202 ; Music 101, Music 102, Music 103, Music 104, Music 105; Dance 200; Theatre 201 and 202 |
| 6 hrs literature survey | 6 | Complete 6 hours of literature survey with a passing grade. Choose from the following courses: Eng 220 , 221 , 222 , 223 , 224 , 225 , or Eng 226 . |
| 6 hrs modern/ancient language 200+ | 6 | Successfully complete at least 6 hours at the 200 level or above in one modern or ancient language. |
| 6 hrs social science | 6 | Successfully complete 6 semester hours in anthropology, economics, political science, psychology, or sociology. |
| 6 hrs social science/humanities | 6 | Complete 6 hours of additional social science or humanities coursework. The courses may be chosen from African American studies, anthropology, classical civilization, economics, gender studies, history, Liba 202 , philosophy, political science, psychology, religious studies, Rhet 201 , sociology, and Southern studies. |
| 6 hrs science | 6 | Successfully complete 2 courses of laboratory science. |
| 2 science labs | 8 | Successfully complete at least two science laboratory courses. |

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 |
|--|-------|---|
| Bisc 160 and 161 | 4 | Bisc 160: Biological Sciences I , Bisc 161: Biological Sciences I Laboratory |
| Bisc 162 and 163 | 4 | Bisc 162: Biological Sciences II , Bisc 163: Biological Sciences II Laboratory |
| Bisc 322 | 4 | Bisc 322: General Ecology |
| Bisc 330 or 438 or 516 | 4 | Bisc 516: Plant Physiology , Bisc 438: Microbial Physiology , Bisc 330: Introductory Physiology |
| Bisc 336 | 4 | Bisc 336: Genetics |
| Bisc 440 | 4 | Bisc 440: Cell and Molecular Biology |
| Bisc 498 | | Bisc 498: Major Field Achievement Test |
| Biology residency hrs | 18 | Student must earn at least 18 hours of their major courses in residence. Directed Study (Bisc 492), Bisc 102 , Bisc 103 , Bisc 104 , Bisc 105 , Bisc 206 , Bisc 207 , seminars, and non-major courses do not satisfy departmental core requirements for biology majors. |
| 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. |



| REQUIREMENT | HOURS | DESCRIPTION |
|--------------------|-------|--|
| 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 Math 261 and Math 262 . |
| Chem 105 | 3 | Complete Chem 105 with a passing grade. |
| Chem 106 | 3 | Complete Chem 106 with a passing grade. |
| Chem 115 | 1 | Complete Chem 115 with a passing grade. |
| Chem 116 | 1 | Complete Chem 116 with a passing grade. |
| Chem 221 | 3 | Complete Chem 221 with a passing grade. |
| Chem 222 | 3 | Complete Chem 222 with a passing grade. |
| Chem 225 | 1 | Complete Chem 225 with a passing grade. |
| Chem 226 | 1 | Complete Chem 226 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 Bisc 300 . |

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: Bisc 300 , 301 , 305 , 320 , 321 , 323 , 345 , 352 , 413 , 417 , 435 , 443 , 445 , 448 , 451 , 504 , 505 , 510 , 513 , 514 , 515 , 524 , 525 , 528 , 530 , 534 , 535 , 540 , 550 , 554 , 560 , 566 , 567 , & Bisc 568 . |

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: Bisc 300 , 305 , 306 , 333 , 370 , 372 , 414 , 418 , 436 , 438 , 439 , 503 , 507 , 509 , 511 , 520 , 521 , 522 , 523 , 541 , 542 , 548 , 555 , & Bisc 560 . |

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: Bisc 300 , 305 , 310 , 318 , 327 , 329 , 330 , 331 , 332 , 334 , 335 , 337 , 338 , 339 , 342 , 349 , 350 , 352 , 415 , 416 , 427 , 502 , 504 , 512 , 516 , 518 , 519 , 528 , 529 , 531 , 532 , 533 , 538 , 543 , 546 , 547 , 551 , & Bisc 553 . |

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: Bisc 300 , 305 , 306 , 310 , 327 , 330 , 331 , 332 , 333 , 335 , 372 , 414 , 415 , 417 , 436 , 439 , 507 , 520 , 521 , 529 , 533 , 541 , and Bisc 543 . |

