

B.A. 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.A. 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 . |
| 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 history | 6 | Complete 6 hours in History (HST) course work with a passing grade. |
| 3 hrs humanities | 3 | African American studies; classical civilization; environmental studies 101, gender studies (G St 201 , 301 , 333 , 350); Liba 202 , 305 , 312 ; philosophy; religion; Southern studies (Any 100 level); Rhet 201 . In addition, gender studies courses that are cross-listed with African American studies, classical civilization, English, modern languages, philosophy, or religion courses will satisfy this requirement. |
| 6 hrs social science | 6 | Successfully complete 6 semester hours in anthropology, economics, political science, psychology, or sociology. |
| 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); Liba 130 , 204 , 314 ; Mus 101 , 102 , 103 , 104 , 105 ; Danc 200 ; Thea 201 , 202 . Students who have completed 30 semester hours of undergraduate course work may fulfill the requirement with a 300- or 400-level art history course. |
| 3 hrs math 100+ | 3 | Successfully complete 3 hours of Math at the 100 level or above except for Math 245 and Math 246 . |
| 9-12 hrs science | 11 | Courses may be chosen from astronomy, biology, chemistry, geology, Liba 205 , 205L, 150, 151, 315, 315L and physics. Two semesters of course work in one subject and one semester in a subject from another department are required. Each course must be a minimum of 3 credit hours. At least two of the courses taken must include laboratories. |

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 330 , 438 , 516 | 4 | Bisc 330: Principles of Physiology , Bisc 516: Plant Physiology , Bisc 438: Microbial Physiology |
| Bisc 322 | 4 | Bisc 322: General Ecology |
| Bisc 336 | 4 | Bisc 336: Genetics |
| Bisc 498 | | Bisc 498: Major Field Achievement Test |
| 12 hrs electives | 12 | Complete a minimum of 12 credit hours of BISC electives at the 300 level or above. 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. |
| Biology residency hrs | 12 | Student must earn at least 12 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. |
| Resident Major GPA | | Please contact your academic advisor for grade point requirements. |
| Overall Major GPA | | Please contact your academic advisor for grade point requirements. |

Major Requirements II



| REQUIREMENT | HOURS | DESCRIPTION |
|--------------------------|-------|--|
| 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. |
| 6 hrs math | 6 | The math requirement for the B.A. Biological Science may be met with two of the following courses: Math 121 (or Math 125 - but not both), Math 115 , 123 , Math 261 or higher. |

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 . |

