**Requirements for the Bachelor of Science in Biology – University of Alabama – 2015-2016 catalog**

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| **Required courses** (17 hours)* BSC 114/115 or 118 – Principles Of Biology I/Laboratory Biology I or Honors General Biology I
* BSC 116/117 or 120 – Principles Biology II/Biology II Laboratory or Honors General Biology II
* BSC 300 – Cell Biology
* BSC 315 – Genetics
* BSC 385 – Ecology and Evolution
 | **Elective courses** (19 hours), to be chosen from BSC and MS courses numbered above 250.* BSC 303 – Field Zoology
* BSC 310 – Microbiology
* BSC 311 – Bacteriology
* BSC 312 – Microbiology Lab
* BSC 313 – Gen Bacteriology Lab
* BSC 314 – Dendrology
* BSC 320 – Freshwater Studies
* BSC 340 – Natural Resource Conservation
* BSC 360 – Plant Biology
* BSC 373 – Vertebrate Zoology
* BSC 376 – Invertebrate Zoology
* BSC 390 – Honors Thesis Research
* BSC 398 – Undergraduate Research
* BSC 400 – Vertebrate Functional Morphology
* BSC 425 – Human Physiology Lab
* BSC 428 – Biology Of Fishes
* BSC 432 – Pathogenic Microbiology Lab
* BSC 434 – Plant Systematics
* BSC 439 – Bch/Molecular Biology Lab
* BSC 442 – Integrated Genomics
* BSC 450 – Biochemistry
* BSC 460 – Human Developmental Biology
* BSC 464 – Biology Of Algae
* BSC 469 – Histology Of Vertebrates
* BSC 472 – Mycology
* BSC 475 – General Entomology
* BSC 476 – Aquatic Insects
* BSC 490 – Stream Ecology
* BSC 497 – Special Topics
* MS 306 – Marine Biology
* MS 408 – Marine Invertebrate Zoology
* MS 419 – Marine Ecology
* MS 452 – Marine Vertebrate Zoology
* MS 453 – Marine Botany

The elective courses must include two laboratory courses. The lab course requirement may not be fulfilled with both BSC 390 and 398. | **Required ancillary science and mathematics courses*** CH 101 or 117 – General Chemistry or Honors General Chemistry
* CH 102 or 118 – General Chemistry or Honors General Chemistry
* CH 231 – Elem Organic Chemistry I
* CH 232 – Elem Organic Chemistry II
* CH 237 – Elem Organic Chemistry Lab
* MATH 125 or 145 – Calculus I or Honors Calculus I
* PH 101, 105 or 125 – General Physics I or General Physics w/Calculus I or Honors General Physics w/Calculus
* PH 102, 106 or 126 – General Physics II or General Physics w/Calculus II or Honors General Physics w/Calculus
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