**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 |