



Secondary Education Biology

The content and education courses to be taken at the community college for the Biology Secondary Education concentration are listed below. These courses are offered at Towson University and are identified by their TU course numbers. To determine course equivalencies and confirm transferability of courses taken at a Maryland community college visit www.artsys.usmd.edu.

SEMS 230	Knowing & Learning (3 units) [waived if Educational Psychology is taken at CC]
BIOL 200 and 200L	Biology I: Introduction to Cellular Biology & Genetics (3 units) and Biology I: Introduction to Cellular Biology & Genetics Lab (1 unit)
BIOL 206 and 206L	Biology II: Introduction to Ecology & Evolution (3 units) and Biology II: Introduction to Ecology & Evolution Lab (1 unit)
BIOL 205	General Botany (4 units)
BIOL 207	General Zoology (4 units)
BIOL 309	Genetics (4 units)
CHEM 131 and 131L	General Chemistry I (3 units) and General Chemistry I Laboratory (1 unit)
CHEM 132 and 132L	General Chemistry II (3 units) and General Chemistry II Laboratory (1 unit)
CHEM 333 and 333L or CHEM 334, 336, and 337	Essentials of Organic Chemistry (5 units) or Organic Chemistry I Lecture (3 units), Introductory Organic Chemistry Lab (2 units), and Organic Chemistry II Lecture (3 units)
MATH 211 or MATH 273 or MATH 237 or MATH 231	Calculus for Applications (3 units) or Calculus I (4 units) or Elementary Biostatistics (4 units) or Basic Statistics (4 units)
PHYS 211 or PHYS 241	General Physics I – non-calculus based (4 units) or General Physics I – calculus based (4 units)
ASTR 161 or GEOG 337 or GEOL 121 or GEOL 123	Astronomy (4 units) or Meteorology (3 units) or Physical Geology (4 units) or Historical Geology (4 units)

For additional information or questions please contact Linda Cooper (lcooper@towson.edu).