

BINGHAMTON UNIVERSITY
DEPARTMENT OF BIOLOGICAL SCIENCES
For freshmen and transfer students entering Binghamton University **Fall 2005 and later**

Requirements for the B.A. Biology Degree

Introductory Biology sequence NOT Pass/Fail	BIOL 117 and 118
Introductory Chemistry sequence NOT Chem 101-102	CHEM 107 and 108; or CHEM 111
Organic Chemistry sequence	CHEM 231, 332, and 335 [Organic Chemistry I, II and Lab]
Required course in Statistics	Select from MATH 147 or BIOL 458. Consult with a biology faculty advisor if you have a second major that requires a different course in statistics
Required Biology core courses NOT Pass/Fail	Cell Biology/Molecular Genetics requirement -- BIOL 301 (Molecular Genetics) or BIOL 311 (Cell Biology) AND Ecology/Evolution requirement -- BIOL 351 (Mechanisms in Evolution) or BIOL 378 (Macroevolution) or BIOL 355/373 (Ecology)
Required Biology Electives NOT Pass/Fail 16 credits encompassing 3 laboratories	16 additional credits in BIOL courses numbered 300 & above. At least three courses must have a laboratory / field component. Only up to four credits can come from BIOL 494, 495, 496, 497, and 498. Only one lab / field requirement can come from BIOL 495, 497 and 498
Residency Requirement	A minimum of 16 credits in the set of core courses and/or required biology electives must be taken at Binghamton University
Required Mathematics and Science electives 8 credits	For breadth beyond Biology or biologically related sciences, additional mathematics, physical science, and computer science courses selected from the following list: CS 140, ENVI 201, GEOG 360, one from among GEOL 111/112/113/114/115/121, MATH 221, MATH 222, PHYS 121, PHYS 122 (or PHYS 131, PHYS 132) or courses that require these as prerequisites; CHEM courses that require CHEM 108, CHEM 332, CHEM 335 as prerequisite; other courses only by approval of faculty advisor.
General Education and Harpur College distribution requirements	As specified in the University Bulletin

Plus free electives to make a total of 126 credits for graduation

<http://bingweb.binghamton.edu/~ugbio>

