

BIOLOGY, B.A.

Requirements

Requires at least 34 hours in the department.

Code	Title	Hours
Required Major Courses		
BIO 150 & 150L	Biology I and Biology I Lab	4
BIO 160 & 160L	Biology II and Biology II Lab	4
Select at least three 300-level four-hour Biology courses		12
BIO 390	Mentored Research	2
or BIO 391	Independent Research	
or BIO 399	Mentored Biology	
Additional hours in Biology beyond BIO 201		12
Co-Requirements		
Choose five of the following *		15-20

* Note that co-requirements cannot be satisfied with courses that are cross-listed between Biology and another department or between Biology and the BMB major. These courses may not also be used to satisfy divisional requirements. Co-required courses may be used to satisfy a minor in another department or interdisciplinary program but cannot be counted toward a second major. Note that some of the courses listed may have non-BIO prerequisites.

Code	Title	Hours
Any CHM course at the 100-, 200-, 300-level except CHM 108, 301, 302, 381, 390, 391, 392, or CHM 395		
ANT 113	Introduction to Biological Anthropology	3
ANT 339	Culture and Nature: Introduction to Environmental Anthropology	3
ANT 360	Anthropology of Global Health	3
ANT 362	Medical Anthropology	3
ANT 366	Human Evolution	3
ANT 368	Human Osteology	4
CNS 335	Health and Human Services in a Diverse Society	3
CNS 340	Professional Orientation to Health and Human Services	3
COM 345	Rhetoric of Science and Technology	3
COM 356	Health Communication: Patient-Provider	3
COM 358	Health Communication and Bioethics	3
CSC 111	Introduction to Computer Science	4
CSC 112	Fundamentals of Computer Science	4
CSC 201	Data Structures and Algorithms	3
CSC 221	Data Structures and Algorithms I	3
ECN 240	Economics of Health and Medicine	3
ECN 241	Environmental and Natural Resource Economics	3
ENG 341	Literature and the Environment	3
ENG 361	Literature and Science	3
HES 262	Statistics in the Health Sciences	3

HES 350	Human Physiology	3
HES 352	Human Gross Anatomy	4
HES 360	Epidemiology	3
HMN 365	Humanity and Nature	3
HPA 150	Introduction to Public Health	3
HST 113	Health, Disease and Healing in World History	3
HST 339	Sickness and Health in American History	3
JOU 375	Special Topics in Journalism (when topic is Environmental and Science Reporting)	1-3
MST 111	Calculus with Analytic Geometry I	4
MST 112	Calculus with Analytic Geometry II	4
MST 113	Multivariable Calculus	4
MST 117	Discrete Mathematics	4
PHY 113	General Physics I	4
PHY 114	General Physics II	4
PHY 120	Physics and Chemistry of Environment	4
PHY 123	General Physics I - Studio Format	4
PHY 124	General Physics II - Studio Format	4
POL 281	Environmental Political Thought	3
REL 307	Magic, Science and Religion	3
REL 329	Chinese Medicine	3
REL 341	Religion and Ecology	3
STA 111	Elementary Probability and Statistics	4
STA 112	Introduction to Regression and Data Science	3
WRI 320	Writing in and about Science: Scientists as Writers and Writers as Scientists	3

For the B.A. major, the schedule of biology and related courses is flexible. After completing BIO 150, BIO 150L, BIO 160, and BIO 160L, students should select courses from the 200- and 300-levels in accord with their interests and career goals. Students may elect to take BIO 150, BIO 150L, BIO 160, and BIO 160L in the first year, BIO 150 and BIO 150L only in the first year, or take BIO 150, BIO 150L, BIO 160, and BIO 160L in fall and spring of the second year. Students taking the B.A. major with an interest in a health profession career are advised to take CHM 111 and CHM 111L in the fall of the first year and to select additional co-requirements after consulting with a health professions adviser.

A maximum of four hours of 390-sequence courses may be counted as hours in the major, but an additional four hours may be taken and applied toward graduation as elective hours. A minimum GPA of 2.0 in biology courses taken at Wake Forest is required for graduation with a major in biology. The Biology Department may require participation in assessment activities as part of ongoing program evaluation.

Honors

Highly qualified majors are invited by the department to apply for admission to the honors program in biology during the Fall Semester of their senior year. To be graduated with the distinction "Honors in Biology," a graduating student must have a minimum GPA of 3.0 in all courses and a 3.3 in biology courses. In addition, the student must submit an honors paper describing his or her independent research project, written in the form of a scientific paper, which must be submitted to and approved by an advisory committee. Students are also required to

make a short oral presentation to the Biology department at the end of Spring Semester. Specific details regarding the honors program, including selecting an adviser and an advisory committee, deadlines, and writing of the honors thesis, may be obtained from the chair of the departmental Undergraduate Research Committee.