Major requirements: BIOLOGY – Biological Sciences Concentration

Required courses in Biology

- BIOL 130 General Biology I
- BIOL 131 General Biology II
- BIOL 211 Plant Biology
- BIOL 320 Genetics
- BIOL 477 Biology Capping

14 credits minimum (4 classes minimum) in BIOL courses numbered 300-400 not including internships or research; two must be traditional 4-credit classes that have labs

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Required courses in Related Fields

- PHIL 200 Ethics or a Bioethics class (preferred) - satisfies C/LS Ethics & Justice requirement
- MATH 130 Intro to Statistics I
- MATH 241 Calculus I OR MATH131 Into to Statistics II
- CHEM 111 & 115 General Chemistry I & lab
- CHEM 112 & 116 General Chemistry II & lab
- CHEM 201 & 202 Principles of Organic Chemistry & Lab
  OR
- CHEM 211, 212, 215 & 216
  Organic Chemistry I & lab
  Organic Chemistry II & lab

8 additional credits in related fields – one must be a 4-credit class that has a lab (and is not Research or an Internship or a MATH class) – If you take three 4-credit BIOL classes to satisfy the Biology Electives, then you do not have to take a 4-credit lab class in this group

BIOL courses for which BIOL130-131 are prerequisites and are not used to satisfy other requirements for the major.

Note: Students who take BIOL201 and/or BIOL202 for credit may not then take BIOL340 and/or BIOL440 for credit, and students who take BIOL340 and/or BIOL440 for credit may not then take BIOL201 and/or BIOL202 for credit. BIOL201 and/or 202 do NOT count as satisfying the requirements for BIOL classes at the 300-400 level.

Science internships and research (4-credit maximum and do not count as the class with a lab) - note that all BIOL research credits require an oral presentation summarizing the accomplishments of the student’s research at the end of the semester in which the credits were earned

PHYS 201 & 202 College Physics I & II OR PHYS 211 & 212 General Physics I & II
PHYS 213 & 214 General Physics I & II Labs
CHEM courses for which CHEM 111-112 are prerequisites and are not used to satisfy other requirements for the major.
ENSC 210 & 212 Intro Geology & Lab (may take the lecture without the lab)
ENSC 230 Intro to Geographic Info Systems
ENSC 310 & 309 Environ Chemistry & Lab (may take the lecture without the lab)
ENSC 315 Natural History of the Hudson Valley
ENSC 313 Environmental Microbiology
ENSC 337 Freshwater Ecology
ENSC 330 Advanced GIS
ENSC 404 Toxicology
ANTH 101 Intro to Physical Anthropology
MEDIT courses numbered 200-400 worth 4 credits (only 4-credit courses)
MATH courses numbered above 131 and are not used to satisfy other requirements of the major
Any HLTH class that has BIOL130-131 as a prerequisites
HLTH 202 or HLTH 206 (either, but not both)

Total Credits in the major = 62-67

In order to meet graduation requirements, the student must have a minimum GPA of 2.0 in all BIOL courses taken to satisfy the major, a minimum GPA of 2.0 in all courses taken to satisfy the major, and an overall minimum GPA of 2.0.
Note: Students who take BIOL201 and/or BIOL202 for credit may not then take BIOL340 and/or BIOL440 for credit, and students who take BIOL340 and/or BIOL440 for credit may not then take BIOL201 and/or BIOL202 for credit.

Checklist – C/LS course requirements

_____ FYS 101 – First Year Seminar
   Transfer students bringing in 24 or more credits are exempt from FYS

_____ ENG 112 Writing for College

_____ PHIL 101 Philosophical Perspectives
   Transfer students bringing in 24 or more credits must take PHIL 103 World Views and Values

_____ PHIL 200 Ethics or 392 Bioethics (preferred) - (must take before capping – BIOL 477)

_____ History

_____ Literature

_____ Social Science

_____ Fine Art (the class must have an L designation)

_____ Technology Requirement

Pathway___________________________________

_____ Course #1 _________________________________

_____ Course #2 _________________________________

_____ Course #3 _________________________________

_____ Course #4 _________________________________

Transfer students who bring in 36 or more credits are exempt from the Pathway requirement.

All students must also complete a minimum of 36 liberal arts credits, only 6 of which may be contributed from the student’s major field.

Remember that PHIL 200 or 393 (Bioethics) must be taken before the capping class, BIO 477 Biology Capping