

SUNY College at Oneonta
Liberal Arts - Biology Major
ECOLOGY & FIELD BIOLOGY TRACK - BIEF
Effective Fall 2001

A. Major Field Core Courses

BIOL 100 General Biology I (NL, T)	First Year	3 s.h.
BIOL 200 General Biology II (NL, T)	First Year	4 s.h.
BIOL 212 General Genetics	Second, Third, or Fourth Year	4 s.h.
BIOL 282 General Ecology (IE, T)	Second, Third, or Fourth Year	4 s.h.
BIOL 362 Microbiology (CW)	Third or Fourth Year	4 s.h.
BIOL 370 General Physiology	Third or Fourth Year	3 s.h.
Field Experience (one selection from the following):	Third or Fourth Year	3 s.h.
BIOL 294 Special Topics in _____. (LA)		
BIOL 299 Independent Study in Biology (Non-LA)		
BIOL 333 Regional Biology of the Rocky Mountains (Non-LA)		
BIOL 338 Coastal Ecology in Northeastern North America (LA)		
BIOL 384 Aquatic Biology (summer offering) (LA)		
BIOL 394 Special Topics in _____. (LA)		
BIOL 397 Internship in Biology (Non-LA)		
BIOL 399 Independent Study in Biology (Non-LA) , or other approved field experience		

NOTE: *Field experience in BIOL 294, 299, 394, 397, and 399, or field experience at another institution, must be approved by the Academic Adviser and the Department Chair.*

B. Major Field Elective Courses

15 - 18 s.h.

Select **five** courses from the list below.

One elective course must be at the 300-level.

A course can not be used for both the Field Experience and the Major Field Elective requirement.

TOTAL 40 - 43 s.h.**LIST OF ELECTIVE BIOLOGY COURSES**

BIOL 216 Evolution	BIOL 338 Coastal Ecol. in N.E. No. Am.
BIOL 220 Economic Botany (CW)	BIOL 356 Animal Behavior (4 s.h.)
BIOL 236 Vascular Plants	BIOL 367 Aquatic Pollution
BIOL 242 Invertebrate Zoology (CW) (4 s.h.)	BIOL 384 Aquatic Biology
BIOL 381 Plant Ecology	BIOL 385 Limnology
BIOL 244 A Natural History of Insects (4 s.h.)	BIOL 386 Seminar in Conservation Biology (CW)
BIOL 250 Natural History of Vertebrates (4 s.h.)	OCEA 210 General Oceanography
BIOL 259 Marine Biology	
BIOL 333 Ecology of Rocky Mtn. Regions	

C. Related Work

CHEM 111 & 112, General Chemistry I & II	First Year	8 s.h.
CHEM 221 & 322, or Chem 226 & 330, Organic Chemistry	Second Year	8 s.h.
STAT 101 Introduction to Statistics, or equivalent	First or Second Year	3 s.h.
CSCI 100 Intro to Computer Technology, or	First or Second Year	3 s.h.
CSCI 116 C Programming		
MATH 173 Calculus I	First or Second Year	4 s.h.
PHYS 103, or Physics 203 General Physics I *	Third Year	3-4 s.h.

* [PHYS 103 & 203 are offered only in the fall.]

TOTAL 29-30 s.h.