

SUNY College at Oneonta
SECONDARY EDUCATION - BIOLOGY
Effective Fall 2001

A. Professional Education Sequence

EDUC	106	Issues in Education	3 s.h.
EDUC	201	Diversity and Teaching	3 s.h.
EDUC	206	Philosophy and Foundations	3 s.h.
EPSY	229	Survey of Exceptional Children	3 s.h.
EPSY	250	Adolescent Growth and Development	3 s.h.
EPSY	275	Psychological Foundations of Education: Learning and Motivations [st]*	3 s.h.
SCED	392	Science in Secondary Education	4 s.h.
SCED	396	Student Teaching in Secondary Science	12 s.h.
SCED	398	Seminar in Science Education	<u>3 s.h.</u>
			37 s.h.

B. CONTENT COURSES

BIOL	100	General Biology I	3 s.h.
BIOL	105	General Biology II	4 s.h.
BIOL	212	General Genetics	4 s.h.
BIOL	216	Evolution	3 s.h.
BIOL	282	General Ecology	4 s.h.
BIOL	315	Laboratory Techniques in Biology	2 s.h.
BIOL	362	Microbiology [st]*	4 s.h.
BIOL	370	General Physiology	
	or	380 Cell Biology	3 s.h.
		Electives in Biology	<u>6 s.h.</u>
			33 s.h.

C. RELATED COURSESInterdisciplinary Science

SCIN	315	Technologies in General Science	2 s.h.
SCIN	390	Interdisciplinary Science Capstone	3 s.h.

Education

EDUC	346	Teaching Reading in Content Area	3 s.h.
EDUC	284	Development of Language and Literacy	3 s.h.

Basic Communication

COMP	100	Composition	3 s.h.
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Health

PHED	211	Health and Safety Issues in Accordance with Education Law For the Classroom Teacher	1 s.h.
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Science

CHEM	111	General Chemistry I	4 s.h.
CHEM	112	General Chemistry II	4 s.h.
CHEM	221 & 322 or CHEM 226 & CHEM 330	Organic Chemistry I & II or Elem. Organic Chemistry & Introductory Biochemistry	8s.h
GEOL	120	Introduction to Geology	3 s.h.
PHYS	103 & 104	General Physics I & II (non-calculus)	6 s.h.

Math

MATH	173	Calculus I	<u>4 s.h.</u>
			44 s.h.

Foreign Language Requirement

0-6 s.h.

D. GENERAL EDUCATION

21 s.h.

Program Total 135-141 s.h.

*[st] must be completed before student teaching