

State University of New York at New Paltz

This **eight-semester plan** (see [important details](#)) is intended to guide a first-year student through a four-year undergraduate career, with completion of an academic major and all college-wide degree requirements. The plan is designed as an **advising tool** – a starting point for careful discussions between a student and his/her academic adviser. In consultation, the student and adviser will adjust the plan to accommodate the student's prerequisite needs, transferred credits, and other such variables.

Students are responsible for reviewing their [Progress Reports](#) each semester to track their own progress toward degree requirements.

Adolescence Ed: Biology

Year 1

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
Gen Ed: Composition (COMP)	3	Gen Ed: Humanities (HUM)	3
BIO201 General Biology I (NSCI)	3	Gen Ed: Composition (COMP)	3
BIO211 Gen Bio 1 Lab	1	Gen Ed: Foreign Languages (FLNG)	3
MAT251 Calculus I (MATH)	4	BIO202 General Biology II (NSCI)	3
Gen Ed: Foreign Languages (FLNG)	3	BIO212 Gen Bio 2 Lab	1
EDI293 Education Seminar	1	MAT252 Calculus II	4
Total	15	Total	17

Year 2

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
EDS372 Developing Adolescence (SSCI)	3	Gen Ed: The Arts (ART)	3
CHE201 General Chemistry I (NSCI)	3	EDS340 Sociological and Philosophical Foundations of Education (USST)	3
CHE211 General Chemistry I Lab	1	CHE202 General Chemistry II (NSCI)	3
BIO320 Genetics	3	CHE212 General Chemistry II Lab	1
Gen Ed: World Civilizations and Cultures (WRLD)	3	MAT241 Introduction to Statistics (MATH)	3
Gen. Physics or Fund. Physics course with lab - see Note 1	4	Gen. Physics or Fund. Physics course with lab - see Note 1	4
Total	17	Total	17

Year 3

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
EDS383 Introduction to Literacy for Diverse Learners (DIVR)	3	SED453 Curriculum and Assessment in the Secondary School	3
SED354 Foundations of Secondary Education Seminar	1	SED353 Field Work #1	1
CHE318 Organic Chemistry I	3	SPE385 Differentiating Instruction in the Secondary School	3
CHE306 Organic Chemistry I Lab	1	One course from Content Area not yet taken - Notes 3-5	3
Choose 2 courses from different content areas - Notes 3-5	6-8	Gen Ed: Western Civilization (WEST)	3
Total	14-16	Total	13

Year 4

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
SED356 Teaching and Learning in the Digital Environment	3	SED407 Fieldwork #3	1
SED374 Teaching Science in the Secondary School	3	SED405 Student Teaching Secondary 10-12	6
SED350 Fieldwork #2	1	SED406 Student Teaching Seminar	1
Upper-level Biology elective (WI)	3-4	SED404 Student Teaching Secondary, 7-9	6
One course from Content Area not yet taken - Note 6	3	Total	14
Gen Ed: Diversity (DIVR)	3		
Total	16-17		

Notes

Choose [PHY221](#) and [PHY231](#) or [PHY201](#) and [PHY211](#). [PHY201 General Physics 1 \(NSCI\)](#), [PHY211 Physics 1 Laboratory](#), [PHY221 Fundamental Physics 1 \(NSCI\)](#), [PHY231 Fundamental Physics 1 Lab](#)

Choose [PHY222](#) and [PHY232](#) or [PHY202](#) and [PHY212](#). [PHY202 General Physics 2 \(NSCI\)](#), [PHY212 General Physics 2 Lab](#), [PHY222 Fundamental Physics II \(NSCI\)](#), [PHY232 Fundamental Physics 2 Lab](#)

CONTENT AREA - Environmental Biology: [BIO301 Field Biology Fall](#), [BIO302 Field Biology Spring](#), [BIO303 Field Biology Summer](#), [BIO340 Ecology](#), [BIO440 Freshwater Biology](#)

CONTENT AREA - Evolution and Diversity of Life: [BIO305 Plant Morphology](#), [BIO307 Comparative Vertebrate Anatomy](#), [BIO335 Entomology](#), [BIO350 General Microbiology](#), [BIO412 Evolutionary Theory](#), [BIO417 Animal Physiology](#), [BIO418 Animal Behavior](#)

CONTENT AREA - Architecture of Life: [BCM360 Protein Structure and Function](#), [BIO308 Basic Molecular Biology](#), [BIO309 Basic Cell Biology](#), [BIO311 Developmental Plant Anatomy](#), [BIO313 Developmental Biology](#), [CHE461 Biochemistry I](#)

Choose one course from a Content Area not yet taken (3-4 credits): Environmental Biology, Evolution and Diversity of Life, Architecture of Life

Total Credits: 123-126