

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.

Biology - Cellular/Molecular

Year 1

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
BIO201 General Biology I (NSCI)	3	BIO202 General Biology II (NSCI)	3
BIO211 Gen Bio 1 Lab	1	BIO212 Gen Bio 2 Lab	1
CHE201 General Chemistry I (NSCI)	3	CHE202 General Chemistry II (NSCI)	3
CHE211 General Chemistry I Lab	1	CHE212 General Chemistry II Lab	1
MAT251 Calculus I (MATH)	4	MAT252 Calculus II	4
Gen Ed: Composition (COMP)	3	Gen Ed: Composition (COMP)	3
Total	15	Total	15

Year 2

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
BIO320 Genetics	3	BIO309 Basic Cell Biology	4
BIO321 Genetics Lab	1	CHE319 Organic Chemistry II	3
CHE318 Organic Chemistry I	3	CHE309 Organic Chemistry II Lab	1
CHE306 Organic Chemistry I Lab	1	Gen Ed: Foreign Languages (FLNG)	3
Gen Ed: Foreign Languages (FLNG)	3	PHY202 General Physics 2 (NSCI)	3
PHY201 General Physics 1 (NSCI)	3	PHY212 General Physics 2 Lab	1
PHY211 Physics 1 Laboratory	1	Total	15
Total	15		

Year 3

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
BIO308 Basic Molecular Biology	4	Biology elective with lab	4
MAT241 Introduction to Statistics (MATH)	3	Gen Ed: World Civilizations and Cultures (WRLD)	3
Gen Ed: Western Civilization (WEST)	3	Upper-division Biology elective	3-4
Gen Ed: The Arts (ART)	3	Upper-division elective	3
Elective	3	Gen Ed: Humanities (HUM)	3
Total	16	Total	16-17

Year 4

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
Upper-division Biology elective	3-4	BIO412 Evolutionary Theory	3
Gen Ed: Diversity (DVR)	3	Biology track elective - Note 1	4
Gen Ed: Writing Intensive (WI)	3-4	Electives	6
Gen Ed: Social Sciences (SSCI)	3	Gen Ed: United States Studies (USST)	3
Total	12-14	Total	16

Notes

Choose one of the track electives ([BIO350](#) General Microbiology is a GE: Writing Intensive course): [BIO311 Developmental Plant Anatomy](#), [BIO313 Developmental Biology](#), [BIO350 General Microbiology](#)

Total Credits: 120-123