

# 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.

## Biochemistry

### Year 1

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

### Year 2

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
<a href="#">CHE318</a> Organic Chemistry I	3	<a href="#">CHE319</a> Organic Chemistry II	3
<a href="#">CHE306</a> Organic Chemistry I Lab	1	<a href="#">CHE309</a> Organic Chemistry II Lab	1
<a href="#">PHY201</a> General Physics 1 (NSCI)	3	<a href="#">PHY202</a> General Physics 2 (NSCI)	3
<a href="#">PHY211</a> Physics 1 Laboratory	1	<a href="#">PHY212</a> General Physics 2 Lab	1
<a href="#">BIO320</a> Genetics	3	Gen Ed: Foreign Languages (FLNG)	3
<a href="#">BIO321</a> Genetics Lab	1	<a href="#">BCM360</a> Protein Structure and Function	4
Gen Ed: Foreign Languages (FLNG)	3	<b>Total</b>	15
<b>Total</b>	15		

### Year 3

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
<a href="#">BIO308</a> Basic Molecular Biology	4	Biology Elective - Note 1	3
Elective	3	Gen Ed: United States Studies (USST)	3
Gen Ed: Diversity (DIVR)	3	<a href="#">BCM470</a> Biochemistry 2	3
<a href="#">BCM461</a> Biochemistry 1	3	Gen Ed: World Civilizations and Cultures (WRLD)	3
<a href="#">BCM463</a> Biochemistry Lab 1	1	Elective	3
Gen Ed: Social Sciences (SSCI)	3	<b>Total</b>	15
<b>Total</b>	17		

### Year 4

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
Chemistry elective - Note 2	3-4	Biology or Chemistry elective - Note 3	3-4
Biology or Chemistry elective - Note 3	3	<a href="#">BCM475</a> Experimental Biochemistry	1
Gen Ed: Humanities (HUM)	3	Gen Ed: Western Civilization (WEST)	3
Gen Ed: The Arts (ART)	3	Upper-division elective (WI)	3-4
Elective	3	Upper-division elective	3-4
<b>Total</b>	15-16	<b>Total</b>	13-16

### Notes

Biology elective (choose one): [BIO309 Basic Cell Biology](#), [BIO313 Developmental Biology](#), [BIO350 General Microbiology](#), [BIO417 Animal Physiology](#)

Chemistry elective (choose one): [CHE303 Introduction to Analytical Chemistry](#), [CHE314 Inorganic Chemistry](#), [CHE321 Physical Chemistry I](#), [CHE322 Physical Chemistry II](#)

Additional approved electives (minimum 6 credits) may be from above lists, independent study, or otherwise approved by advisor. Note that a Writing Intensive course is required for graduation.

**Total Credits: 120-124**