

STATE UNIVERSITY OF NEW YORK
NEW PALTZ

CURRICULUM AND MAJOR REQUIREMENTS WORKSHEET

Name	Advisor
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B.S. in Biochemistry (549)

Course #	Title	Credits	Suggested Completion	Check Box
Required Biochemistry Courses				
BCM360	Protein Structure & Function	4	Year 2	<input type="checkbox"/>
BCM461	Biochemistry 1	3	Year 3	<input type="checkbox"/>
BCM463	Biochemistry Lab	1	Year 3	<input type="checkbox"/>
BCM470	Biochemistry 2	3	Year 3	<input type="checkbox"/>
BCM475	Experimental Biochemistry	1	Year 4	<input type="checkbox"/>

Required Biology Courses

BIO201	General Biology 1	3	Fall Year 1	<input type="checkbox"/>
BIO211	General Biology 1 Lab	1	Fall Year 1	<input type="checkbox"/>
BIO202	General Biology 2	4	Spring Year 1	<input type="checkbox"/>
BIO212	General Biology 2 Lab	4	Spring Year 1	<input type="checkbox"/>
BIO320	Genetics	3	Year 2	<input type="checkbox"/>
BIO321	Genetics Lab	1	Year 2	<input type="checkbox"/>
BIO358	Molecular Biology	4	Fall Year 2-3	<input type="checkbox"/>

Required Chemistry Courses

CHE201	General Chemistry 1	3	Fall Year 1	<input type="checkbox"/>
CHE211	Gen. Chemistry 1 Lab	1	Fall Year 1	<input type="checkbox"/>
CHE202	General Chemistry 2	3	Spring Year 1	<input type="checkbox"/>
CHE212	Gen. Chemistry 2 Lab	1	Spring Year 1	<input type="checkbox"/>
CHE318	Organic Chemistry 1	3	Fall Year 2	<input type="checkbox"/>
CHE306	Organic Chem. 1 Lab	1	Fall Year 2	<input type="checkbox"/>
CHE319	Organic Chemistry 2	3	Spring Year 2	<input type="checkbox"/>
CHE309	Organic Chem. 2 Lab	1	Spring Year 2	<input type="checkbox"/>

Biology Elective (choose one)

BIO359 Cell Biology	<input type="checkbox"/>
BIO350 General Microbiology	<input type="checkbox"/>
BIO370 Animal Physiology	<input type="checkbox"/>
BIO413 Developmental Biology	<input type="checkbox"/>

Chemistry Elective (choose one)

CHE303 Intro to Analytical Chemistry	<input type="checkbox"/>
CHE314 Inorganic Chemistry	<input type="checkbox"/>
CHE321 Physical Chemistry 1	<input type="checkbox"/>
CHE322 Physical Chemistry 2	<input type="checkbox"/>

Approved Electives (Min. 6 credits)

(May be from electives above, independent study, or otherwise approved by your advisor)

_____	_____	_____	Years 3-4	<input type="checkbox"/>
_____	_____	_____	Years 3-4	<input type="checkbox"/>

REQUIRED COGNATE COURSES

Course #	Title	Credits	Suggested Completion	Check Box
Math Requirements (8 Credits)				
MAT251	Calculus 1	4	Year 1-2	<input type="checkbox"/>
MAT252	Calculus 2	4	Year 1-2	<input type="checkbox"/>
Physics Requirements (8 Credits)				
PHY201	General Physics 1	3	Year 2-3	<input type="checkbox"/>
PHY211	Physics 1 Laboratory	1	Year 2-3	<input type="checkbox"/>
PHY202	General Physics 2	3	Year 2-3	<input type="checkbox"/>
PHY212	Gen. Physics 2 Lab	1	Year 2-3	<input type="checkbox"/>
Total Credits		74		

Additional Considerations for Admission to Medical, Dental, and Veterinary Schools:

The requirements for these professional schools are constantly evolving and vary from institution to institution. Please contact the **Pre-Health Advisor**.

Additional Considerations for Admission to Graduate Programs:

Research Experience. You should begin to explore research options during your sophomore year.

We highly recommend **Physical Chemistry** as your Chemistry Elective. This is generally required for admission to Biochemistry graduate programs and some Molecular Biology graduate programs. Please note, Physical Chemistry requires MAT341 Applied Mathematics as a pre-requisite.