

# BA IN BIOLOGY

## Minimum grade requirements:

- A minimum grade of C- is required to advance from BIO201 to BIO202 and from BIO202 to BIO320.
- A minimum grade of C- in BIO320 is required to advance to most upper-division biology courses (300 and above).
- A minimum grade of C- is required to advance from CHE201 to CHE202, from CHE202 to CHE318, and from CHE318 to CHE319.
- A minimum grade of C- in CHE319 is required to enroll in BCM461.
- A minimum grade of C- in MAT251 is required to enroll in MAT252 and in PHY201.

57 credits, plus an approved minor<sup>1</sup>

<sup>1</sup> In lieu of an approved minor, Biology BA students may complete a double major.

Code	Title	Credits
<b>Pre-Major Requirements (16 Credits)</b> <sup>1</sup>		
BIO201 & BIO211	and <sup>2</sup>	4
BIO202 & BIO212	and <sup>2</sup>	4
CHE201 & CHE211	and <sup>3</sup>	4
CHE202 & CHE212	and <sup>3</sup>	4
<b>Required Biology Course (4 Credits)</b>		
BIO320	<sup>4</sup>	4
<b>Major Electives (18 Credits)</b>		
Select 18 credits of Biology (or Biochemistry) courses at the 300 level 18 or above <sup>5</sup>		
<b>Lecture Series (6 Credits)</b>		
Participation in 6 hours of Lecture Series		6
<b>Cognate Requirements (19 Credits)</b> <sup>6</sup>		
Additional Chemistry Requirements:		
CHE318		3
CHE306		1
Math Requirements:		
MAT241		3
MAT251		4
Physics Requirements:		
Select one of the following two groups:		8
Group A:		
PHY221 & PHY211	and	
PHY222 & PHY232	and	
Group B:		
PHY201 & PHY211	and	
PHY202 & PHY212	and	
<b>Additional Breadth Requirement (18-22 Credits)</b>		

Select an approved minor	18-22
<b>Total Credits</b>	<b>81-85</b>

- <sup>1</sup> Also required: Minimum MPL of 4; minimum cumulative GPA of 2.5.
- <sup>2</sup> BIO201/BIO211 General Biology I/General Biology I Lab and BIO202/BIO212 General Biology II/General Biology II Lab must be taken in sequence. A minimum grade of C- is required in BIO201 and BIO202.
- <sup>3</sup> A minimum grade of C- is required to advance from CHE201 General Chemistry I to CHE202 General Chemistry II and from CHE202 General Chemistry II to CHE318 Organic Chemistry I.
- <sup>4</sup> A minimum grade of C- in BIO320 Genetics is required to advance to most upper-division biology courses (300 and above).
- <sup>5</sup> These must be Biology (or Biochemistry) courses at the 300-level or above, including at least three lab courses. A maximum of 4 credits from independent projects, including Research, Fieldwork or Independent Study, can be counted towards the major.
- <sup>6</sup> See relevant minimum-grade requirements at top of page.

**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 Adviser**.

This **eight-semester plan** (see important details (<http://catalog.newpaltz.edu/undergraduate/additional-information-about-8-semester-plans>)) 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 (<https://www3.newpaltz.edu/progressreports>) each semester to track their own progress toward degree requirements.

Course	Title	Credits
<b>Year 1</b>		
<b>Fall</b>		
BIO201		3
BIO211		1
CHE201		3
CHE211		1
MAT251		4
Gen Ed: Composition (COMP)		3
Credits		15
<b>Spring</b>		
BIO202		3
BIO212		1
CHE202		3
CHE212		1
Gen Ed: Composition (COMP)		3
Gen Ed: Western Civilization (WEST)		3
Credits		14

<b>Year 2</b>	
<b>Fall</b>	
BIO320	4
CHE318	3
CHE306	1
Gen Ed: Foreign Languages (FLNG)	3
Gen Physics I or Fundamental Physics I with lab <sup>1</sup>	4
Credits	15
<b>Spring</b>	
Upper-division Biology elective	3-4
Course in approved minor	3
Gen Ed: Humanities (HUM)	3
Gen Physics II or Fundamental Physics II with lab <sup>2</sup>	4
Credits	13-14
<b>Year 3</b>	
<b>Fall</b>	
Upper-division Biology elective	3-4
Course in approved minor	3
MAT241	3
Gen Ed: The Arts (ART)	3
Gen Ed: United States Studies (USST)	3
Credits	15-16
<b>Spring</b>	
Biology elective with lab	4
Course in approved minor	3
Gen Ed: Writing Intensive (WI)	3-4
Gen Ed: World Civilizations and Cultures (WRLD)	3
Elective	3
Credits	16-17
<b>Year 4</b>	
<b>Fall</b>	
Biology elective with lab	4
Gen Ed: Social Sciences (SSCI)	3
Course in approved minor	3
Elective	3
Elective	3
Credits	16
<b>Spring</b>	
Biology elective with lab	4
Gen Ed: Diversity (DIVR)	3
Course in approved minor	3
Course in approved minor	3
Elective	3
Credits	16
Total Credits	120-123

<sup>2</sup> Select one of the following Physics courses with lab: PHY202 General Physics 2 (NSCI), PHY212 General Physics 2 Lab, PHY222 Fundamental Physics II (NSCI), PHY232 Fundamental Physics 2 Lab.

<sup>1</sup> Select one of the following Physics courses with lab (please note that the General Physics sequence requires Calculus I and II): PHY211 Physics 1 Laboratory, PHY221 Fundamental Physics 1 (NSCI), PHY222 Fundamental Physics II (NSCI), PHY232 Fundamental Physics 2 Lab.