



Curricular Plan Biological Science BA/MS



The plan below provides a roadmap for completing this academic program and the UB Curriculum within 5 years. Your actual plan may vary depending on point of entry to the university, course placement and/or waivers based on standardized test scores, earned alternative credit and/or college transfer credit.

All students are encouraged to use this plan in conjunction with other academic planning resources such as your academic advisor, the hUB Academic Advisement Report, My Planner and Path Finder tool.

In addition to following this course roadmap, all other admission and academic requirements of this major (as per the Undergraduate Catalog) must be met in order to successfully complete this degree.

First Year – Fall Semester		
<i>Course</i>	<i>Category</i>	<i>Credit</i>
UB Seminar	UBS	3
BIO 200	M/SLI 1	5
MTH 121 or 141	M/MQR	4
CHE 101	M/SLI 2	5
<i>Total Credits:</i>		17

First Year – Spring Semester		
<i>Course</i>	<i>Category</i>	<i>Credit</i>
BIO 201	M	4
MTH 122 or 142	M	4
CHE 102	M	5
ENG 105	CL 1	4
<i>Total Credits:</i>		17

Second Year – Fall Semester		
<i>Course</i>	<i>Category</i>	<i>Credit</i>
CHE 201	M	5
BIO 203	M	3
BIO 213	M	2
Pathway	P	3
Pathway	P	3
<i>Total Credits:</i>		16

Second Year – Spring Semester		
<i>Course</i>	<i>Category</i>	<i>Credit</i>
BIO 205	M	3
BIO 215	M	2
CHE 202	M	5
Pathway	P	3
Pathway	P	3
<i>Total Credits:</i>		16

Third Year – Fall Semester		
Course	Category	Credit
PHY 101/107	M	5
BIO 319	M	3
BIO 329	M	2
BIO 387 or Equivalent	CL 2	3
Diversity Learning	DL*	3
<i>Total Credits:</i>		16

Third Year – Spring Semester		
Course	Category	Credit
PHY 102/108	M	5
BIO Elective	M	3
BIO Elective	M	3
Pathway	P	3
<i>Total Credits:</i>		14

Fourth Year – Fall Semester		
Course	Category	Credit
BIO Elective (GRAD)	M	4
BIO 600 (Rotation)	M	1
BIO 610	M	1
BIO 614	M	1
Pathway	P	3
UBC 399	CAP	1
Elective	E	1
<i>Total Credits:</i>		12

Fourth Year – Spring Semester		
Course	Category	Credit
BIO Elective (GRAD)	M	4
BIO Elective (GRAD)	M	4
BIO 600 (Rotation)	M	1
BIO 610	M	1
BIO 614	M	1
Elective	E	3
<i>Total Credits:</i>		14

Fifth Year – Fall Semester		
Course	Category	Credit
BIO Elective (GRAD)	M	3
BIO 610	M	1
BIO 614	M	1
BIO 680 (Research)	M	2
<i>Total Credits:</i>		7

Fifth Year – Spring Semester		
Course	Category	Credit
BIO Elective (GRAD)	M	3
BIO 610	M	1
BIO 614	M	1
BIO 680 (Research)	M	2
<i>Total Credits:</i>		7

Total Credits Required for Degree:	136
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*Approved Diversity Learning course if not already completed through approved major, elective, or UBC course.

Category Legend:

M = Course Required for Major (including pre-requisites needed for admission to the major)

E = Elective (course not required for major or UB Curriculum)

The following are all components of the UB Curriculum (UBC) For more information on the UBC and course options visit: <https://catalog.buffalo.edu/policies/ubcurriculum.html>

- UBS = UB Seminar
- CL1/CL 2 = Communication Literacy (2 required)
- CAP = UB Capstone
- DL = Diversity Learning
- MQR = Math and Quantitative Reasoning
- P = Pathway Course (6 required: 3 Global, 3 Thematic)
- SLI1/SLI2 = Scientific Literacy and Inquiry (2 required)

Note: Some classes may count toward both a major (M) and UB Curriculum (UBC) requirement. Courses that count towards more than one requirement are indicated by a "/" (slash) in the category column indicating which categories the course will satisfy.