



Curricular Plan Biotechnology BS



A curricular plan provides a roadmap for completing this academic program and the UB Curriculum in four 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 listed in the Undergraduate Catalog must be met in order to successfully complete this degree.

Freshman Year – Fall Semester		
<i>Course</i>	<i>Category</i>	<i>Credit</i>
UB Seminar	UBS	3
BIO 200	M/SLI 1	5
CHE 101	M/SLI 2	5
Pathway or ENG 105	P or CL 1	3 or 4
<i>Total Credits:</i> 16 or 17		

Freshman Year – Spring Semester		
<i>Course</i>	<i>Category</i>	<i>Credit</i>
BIO 201	M	4
CHE 102	M	5
Pathway	P	3
Pathway or ENG 105	P or CL 1	3 or 4
<i>Total Credits:</i> 15 or 16		

Sophomore Year – Fall Semester		
<i>Course</i>	<i>Category</i>	<i>Credit</i>
CHE 201	M	5
MIC 301	M	4
STA 119 or PSY 207 or SOC 294	M/MQR	4
Pathway	P	3
<i>Total Credits:</i> 16		

Sophomore Year – Spring Semester		
<i>Course</i>	<i>Category</i>	<i>Credit</i>
CHE 202	M	5
PGY 300	M	4
Pathway	P	3
Pathway	P	3
<i>Total Credits:</i> 15		

Junior Year – Fall Semester		
Course	Category	Credit
MT 302	M	4
MT 401	M	4
MT 402	M	4
Pathway	P	3
Diversity Learning	DL*	3
<i>Total Credits:</i>		18

Junior Year – Spring Semester		
Course	Category	Credit
MT 434	M	4
MT 430	M	2
MT 445	M	1
PHI 237 or 107 or 217	M	3
MTH 121 or 141	M	4
<i>Total Credits:</i>		14

Senior Year – Fall Semester		
Course	Category	Credit
MT422	M	3
MT 432	M	1
MT 426	M/CL 2	3
PHY 101/151	M	5
UBC 399	CAP	1
<i>Total Credits:</i>		13

Senior Year – Spring Semester		
Course	Category	Credit
Technical Elective	M	3
Technical Elective	M	3
Technical Elective	M	3
Technical Elective	M	3
<i>Total Credits:</i>		12

Total Credits Required for Degree:	120
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**Approved Diversity Learning course if not met 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.