



Curricular Plan Biochemistry 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		
Course	Category	Credit
UB Seminar	UBS	3
BIO 200	M/SLI 1	5
CHE 101	M/SLI 2	5
MTH 121 or MTH 141	M/MQR	4
<i>Total Credits:</i>		17

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

Sophomore Year – Fall Semester		
Course	Category	Credit
CHE 201	M	5
PHY 107 or PHY 101/PHY 151	M	4 or 5
Pathway	P	3
Pathway	P	3
Pathway	P	3
<i>Total Credits:</i>		18 or 19

Sophomore Year – Spring Semester		
Course	Category	Credit
CHE 202	M	5
PHY 102/PHY 152 or PHY 108/PHY 158	M	5
PHY 158	M	1
BIO 215	M	2
Pathway	P	3
<i>Total Credits:</i>		16

Junior Year – Fall Semester		
Course	Category	Credit
BCH 401	M	1
BCH 403	M	4
Upper Level Science Elective	M	3
Diversity Learning	DL*	3
Pathway	P	3
<i>Total Credits:</i>		14

Junior Year – Spring Semester		
Course	Category	Credit
BCH 404	M/CL 2	3
BCH 498	M	2
Restricted CHEM Elective	M	3
Pathway	P	3
UBC 399	CAP	1
<i>Total Credits:</i>		12

Senior Year – Fall Semester		
Course	Category	Credit
BCH 405	M	3
CHE 319/349	M	3
BCH 498 (1-8 credits)	M	3
Upper Level Science Elective	M	3
Elective	E	1
<i>Total Credits:</i>		13

Senior Year – Spring Semester		
Course	Category	Credit
BCH 407	M	1
BCH 498	M	3
Upper Level Science Elective	M	3
Upper Level Science Elective	M	3
Elective	E	3
<i>Total Credits:</i>		13

Total Credits Required for Degree:	120 or 121
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**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.