



Curricular Plan Medicinal Chemistry BS/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		
Course	Category	Credit
UB Seminar	UBS	3
CHE 101 or 105	M/SLI 1	5
MTH 141	M/MQR	4
Pathway or ENG 105	P or CL 1	3 or 4
<i>Total Credits:</i>		15 or 16

First Year Spring Semester		
Course	Category	Credit
CHE 102 or 106	M	5
MTH 142	M	4
PHY 107	M/SLI 2	4
Pathway or ENG 105	P or CL 1	3 or 4
<i>Total Credits:</i>		16 or 17

Second Year Fall Semester		
Course	Category	Credit
CHE 201 or 251	M	5
CHE 214	M	3
PHY 108	M	4
PHY 158	M	1
Pathway and Diversity Learning	P/DL*	3
<i>Total Credits:</i>		16

Second Year Spring Semester		
Course	Category	Credit
CHE 202 or 252	M	5
CHE 215	M	2
BIO 201	M	4
Pathway	P	3
Pathway	P	3
<i>Total Credits:</i>		17

Third Year Fall Semester		
Course	Category	Credit
CHE 319	M	3
CHE 321	M	3
CHE 301	M	3
CHE 329	M	2
Pathway	P	3
<i>Total Credits:</i>		14

Third Year Spring Semester		
Course	Category	Credit
CHE 320	M	3
CHE 455	M	3
CHE 312	M	3
Communication Literacy	CL 2	3
<i>Total Credits:</i>		12

Fourth Year Fall Semester		
Course	Category	Credit
MCH 501	M	3
MCH 498	M	3
UBC 399	CAP	1
Pathway	P	3
CHE 501	M	3
<i>Total Credits:</i>		13

Fourth Year Spring Semester		
Course	Category	Credit
MCH 498	M	3
Elective	E	3
Technical Elective	M	3
Grad Science Elective	M	3
Grad Science Elective	M	3
<i>Total Credits:</i>		15

Fifth Year Fall Semester		
Course	Category	Credit
Grad Science Elective	M	3
MCH 615	M	6
<i>Total Credits:</i>		9

Fifth Year Spring Semester		
Course	Category	Credit
Grad Science Elective	M	3
MCH 616	M	6
MCH 700	M	1
<i>Total Credits:</i>		10

Total Credits Required for Degree:	131
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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
- P = Pathway Course (6 required: 3 Global and 3 Thematic)
- MQR = Math and Quantitative Reasoning
- 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.