



Finish in 4 Curricular Plan Bioinformatics/Mathematics



A Finish in 4 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>
CHE 101	M /SLI I	5
MTH 141	M/MQR	4
UB Seminar	UBS	3
Thematic Pathway	TP1/DL	3
<i>Total Credits:</i>		15

Freshman Year – Spring Semester		
<i>Course</i>	<i>Category</i>	<i>Credit</i>
CHE 102	M	5
MTH 142	M	4
ENG 105	CL1	4
Thematic Pathway	TP II	3
<i>Total Credits:</i>		16

Sophomore Year – Fall Semester		
<i>Course</i>	<i>Category</i>	<i>Credit</i>
CHE 201 or 203	M	3
MTH 241	M	4
MTH 309	M	4
CSE 115	M	4
Global Pathway	GP1	3
<i>Total Credits:</i>		18

Sophomore Year – Spring Semester		
<i>Course</i>	<i>Category</i>	<i>Credit</i>
BIO 201	M	4
MTH 306	M	4
Global Pathway	GP2	3
CSE 116	M	4
<i>Total Credits:</i>		15

Course	Category	Credit
BIO 205	M	3
MTH 411 or STA 301	M	4
MTH 311	M	4
Communication Literacy 2	CL2	3
CSE/MTH 191	M	4
<i>Total Credits:</i>		18

Course	Category	Credit
MTH 412 or STA 302	M	4
MTH 418	M	4
Thematic Pathway	TP3	3
CSE 250	M	4
<i>Total Credits:</i>		15

Course	Category	Credit
MTH/CSE 437	M	4
MTH 431	M	4
MTH 419	M	4
UBC 399	CAP	1
BIO 319	M	3
<i>Total Credits:</i>		16

Senior Year – Spring Semester		
Course	Category	Credit
BIO 498	M	2
MTH/CSE 438	M	4
CSE 462	M/GP3	4
BIO 400 + SLI II	M	3
<i>Total Credits:</i>		13

Total Credits Required for Degree:		
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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: <list url of Catalog UBC page>

- UBS = UB Seminar
- CL1/CL 2 = Communication Literacy (2 required)
- CAP = UB Capstone
- DL = Diversity Learning
- GP1/GP2/GP3 = Global Pathway Course (3 required)
- MQR = Math and Quantitative Reasoning
- SLI1/SLI2 = Scientific Literacy and Inquiry (2 required)
- TP1/TP2/TP3 = Thematic Pathway Course (3 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.