



Finish in 4 Curricular Plan Bioinformatics/Biology



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		
Course	Category	Credit
UB Seminar	UBS	3
BIO 200	M/SLI 1	5
CHE 101	M/SLI 2	5
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 142	M	4
ENG 105	CL1	4
<i>Total Credits:</i>		17

Sophomore Year – Fall Semester		
Course	Category	Credit
BIO 203	M	3
BIO 213	M	2
Global Pathway	GP1	3
CHE 201	M	5
Thematic Pathway	TP1	3
Thematic Pathway	TP2	3
<i>Total Credits:</i>		19

Sophomore Year – Spring Semester		
Course	Category	Credit
BIO 205	M	3
BIO 215	M	2
Global Pathway	GP2	3
CHE 202	M	5
CSE/MTH 191	M	4
<i>Total Credits:</i>		17

Junior Year – Fall Semester		
Course	Category	Credit
BIO 319	M	3
BIO 329	M	2
MTH 309	M	4
CSE 115	M	4
<i>Total Credits:</i>		13

Junior Year – Spring Semester		
Course	Category	Credit
PHY 107	M	4
Thematic Pathway	TP3	3
CSE 116	M	4
Communication Literacy 2	CL2	3
<i>Total Credits:</i>		14

Senior Year – Fall Semester		
Course	Category	Credit
BIO 400	M	4
MTH 411 or STA 301	M	4
Global Pathway	GP3	3
CSE 250	M	4
UBC 399	CAP	1
<i>Total Credits:</i>		16

Senior Year – Spring Semester		
Course	Category	Credit
MTH 337/CSE 337 or Substitute	M	4
PHY 108	M	4
PHY 158	M	1
BIO 498	M	3
<i>Total Credits:</i>		8

Total Credits Required for Degree:	121
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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: <http://undergrad-catalog.buffalo.edu/policies/degree/ubcurriculum.html>

- 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.