



Curricular Plan BA Computer Science



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
CSE 199 or Equivalent	M/UBS	3
CSE 115	M	4
MTH 121 or MTH 131 or MTH 141	M/MQR	4
Pathway or ENG 105	P or CL 1	3 or 4
<i>Total Credits:</i>		14 or 15

Freshman Year – Spring Semester		
Course	Category	Credit
CSE 116	M	4
CSE 191	M	4
MTH 122 or 142	M	4
Pathway or ENG 105	P or CL 1	3 or 4
<i>Total Credits:</i>		15 or 16

Sophomore Year – Fall Semester		
Course	Category	Credit
CSE 241	M	4
CSE 250	M	4
Scientific Literacy	SLI 1	4
Pathway	P	3
<i>Total Credits:</i>		15

Sophomore Year – Spring Semester		
Course	Category	Credit
CSE 341	M/P	4
Probability/Stats Elective	M	3
Pathway and Diversity Learning	P/DL*	3
Pathway	P	3
Scientific Literacy	SLI 2	3
<i>Total Credits:</i>		16

Junior Year – Fall Semester		
Course	Category	Credit
One of CSE 305 or 321 or 331 or 396	M	4
External Concentration 1 (200-Level above)	M	4
EAS 360 or Equivalent	M/CL 2	3
LAS Elective	E	4
<i>Total Credits:</i>		15

Junior Year – Spring Semester		
Course	Category	Credit
CSE 300 or 400 Level Elective	M	3
CSE 300 or 400 Level Elective	M	3
External Concentration 2 (200-Level above)	M	4
LAS Elective	E	4
<i>Total Credits:</i>		14

Senior Year – Fall Semester		
Course	Category	Credit
CSE 400-Level Tech. Elective	M/P	3
External Concentration 3 (300 above)	M	3
External Concentration 4 (300 above)	M	3
LAS 300 or 400 Level	M	4
UBC 399	CAP	1
LAS Elective	E	3
<i>Total Credits:</i>		17

Senior Year – Spring Semester		
Course	Category	Credit
CSE 400-Level Tech. Elective	M	3
CSE 4xx Tech. Elective	M	3
External Concentration 5 (300 above)	M	3
LAS Elective	E	4
<i>Total Credits:</i>		13

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.