



Curricular Plan BS 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 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 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 |
| Prob/Statistics course | M | 3 |
| Pathway | P | 3 |
| Pathway | P | 3 |
| Scientific Literacy | SLI 2 | 3 |
| <i>Total Credits:</i> | | 16 |

| Junior Year – Fall Semester | | |
|-----------------------------|----------|--------|
| Course | Category | Credit |
| CSE 331 | M | 4 |
| Math Elective | M | 4 |
| EAS 360 or Equivalent | M/CL 2 | 3 |
| Diversity Learning | DL* | 3 |
| <i>Total Credits:</i> | | 14 |

| Junior Year – Spring Semester | | |
|-------------------------------|----------|--------|
| Course | Category | Credit |
| CSE 305 | M | 4 |
| CSE 396 | M | 4 |
| CSE Software Systems Elec. | M | 3 |
| 300 or 400 Level Elective | M | 3 |
| <i>Total Credits:</i> | | 14 |

| Senior Year – Fall Semester | | |
|------------------------------|----------|--------|
| Course | Category | Credit |
| CSE 442 | M | 3 |
| CSE 400-Level Tech. Elective | M | 3 |
| Math or Science Elective | M | 4 |
| UBC 399 | CAP | 1 |
| Pathway | P | 3 |
| Elective | E | 2 |
| <i>Total Credits:</i> | | 16 |

| Senior Year – Spring Semester | | |
|-------------------------------|----------|--------|
| Course | Category | Credit |
| CSE 421 | M | 3 |
| CSE AI Elective | M | 3 |
| CSE 400-Level Tech. Elective | M | 3 |
| Elective | E | 3 |
| Elective | E | 3 |
| <i>Total Credits:</i> | | 15 |

| | |
|---|------------|
| Total Credits Required for Degree: | 120 |
|---|------------|

**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.