



IMPORTANT NOTES:

1. Any transfer credits/courses should be checked with [Academic Advising](#) to ensure accurate program completion. Also refer to [MyCapMap](#) for course planning, as program requirements can vary based on the year of admission in the program. This document is based on the course profile for 2026-2027.
2. Students should declare their concentration before their second year, so that they can choose the appropriate courses. Most 2nd year courses will be offered once a year – refer to the STEM Course Plan guide on [eLearn](#) (note that courses are subject to cancellations, based on enrolment).
3. Most 3rd and 4th year courses will be offered in alternate years, which should factor into the course planning. A list of expected course offerings for the following academic year is published every Spring (note that courses are subject to cancellations, based on enrolment).
4. Students should complete all the prerequisites listed below to ensure that they are able to take the upper-level courses that are being offered.

Required course for all students: SCI 400, with prerequisites:

- 15 credits of 300-400 level SCI courses
- STAT 310 (C-)
- One of:**
 - BIOL 300 (C-)
 - BIOL 408 (C-)
 - CHEM 311 (C-)
 - CHEM 404 (C-)
 - PHYS 310 (C-)
 - COMP 320 (C-)
 - COMP 330 (C-)

1. Biomedical Science Concentration

i. **All** courses as prerequisites for lower-level science electives:

- | | |
|--|--|
| <input type="checkbox"/> BIOL 111 (C-) | <input type="checkbox"/> CHEM 111 (C-) |
| <input type="checkbox"/> BIOL 200 (C-) | <input type="checkbox"/> CHEM 204 (C-) |
| <input type="checkbox"/> BIOL 209 (C-) | <input type="checkbox"/> CHEM 211 (C-) |
| <input type="checkbox"/> BIOL 214 (C-) | <input type="checkbox"/> CHEM 215 (C-) |

ii. **One of:**

- BIOL 300 (C-)



CHEM 315 (C-)

iii. Select **four** courses from the approved list of Biomedical Sciences courses:

BIOL 300, with prerequisites:

BIOL 200 (C-), *and*

BIOL 214 (C-) *or* BIOL 203 (C-)

BIOL 313, with prerequisites:

BIOL 209 (C-), *and*

CHEM 215 (C-)

BIOL 314, with prerequisites:

BIOL 214 (C-), *and*

CHEM 215 (C-)

BIOL 403 (*next expected offering 2027-2028*), with prerequisites:

BIOL 203 (C-) *or* BIOL 214 (C-), *and*

CHEM 215 (C-)

CHEM 315, with prerequisites:

CHEM 211 (C-), *and*

CHEM 204 (C-), *and*

CHEM 215 (C-)

CHEM 411, with prerequisites:

CHEM 211 (C-), *and*

CHEM 204 (C-), *and*

CHEM 215 (C-)

2. Computational Science Concentration

i. **All** courses as prerequisites for lower-level science electives:

COMP 215 (C-), *and*

MATH 109 (C-) *or* MATH 126 (C-), *and*

STAT 205 (C-) (recommended)

ii. **One of:**

COMP 320 (C-)

COMP 330 (C-)

- iii. Select **four** courses from the approved list of Computational Sciences courses:
- COMP 301**, with prerequisites:
 - 45 credits of 100-level or higher coursework, *and*
 - COMP 101 (C-) *or* COMP 115 (C-) *or* MOPA 209 (C-)
 - COMP 320**, with prerequisites:
 - 45 credits of 100-level or higher coursework, *and*
 - COMP 215 (C-)
 - COMP 330**, with prerequisites:
 - 45 credits of 100-level or higher coursework, *and*
 - COMP 115 (A-) *or* COMP 215 (C-)
 - MATH 336**, with prerequisites:
 - 45 credits of 100-level or higher coursework, *and*
 - MATH 124 (C-)
 - COMP 115 (C-)
 - MATH 400** (*not offered until after 2027-2028*), with prerequisites:
 - STAT 305 (C-), *and*
 - MATH 108 (C-) *or* MATH 116 (C-)
 - STAT 305**, with prerequisites:
 - 45 credits of 100-level or higher coursework, *and*
 - COMP 115 (C-), *and*
 - STAT 101 (C-) *or* STAT 205 (C-) *or* LBST 201 (C-) *or* BADM 210 (C-) *or* PSYC 213 (C-)
or KINE 302 (C-)

3. Environmental Science Concentration

- i. **All** courses as prerequisites for lower-level science electives:
- BIOL 111 (C-)
 - BIOL 208 (C-)
 - CHEM 111 (C-)
 - CHEM 211 (C-)
 - CHEM 204 (C-)
- ii. **One of:**
- BIOL 408 (C-)
 - CHEM 311 (C-)



PHYS 310 (C-)

iii. Select **four** courses from the approved list of Environmental Sciences courses:

BIOL 308, with prerequisites:

BIOL 208 (C-)

BIOL 408, with prerequisites:

BIOL 208 (C-)

CHEM 304, with prerequisites:

CHEM 211 (C-), *and*

CHEM 204 (C-)

CHEM 311 (*next expected offering 2027-2028*), with prerequisites:

CHEM 211 (C-), *and*

CHEM 204 (C-)

PHYS 310, with prerequisites:

PHYS 203 (C-) *or* PHYS 210 (C-) **OR**

STAT 101 (C-) *or* STAT 205 (C-), *and*

MATH 108 (C-) *or* MATH 116 (C-), *and*

CHEM 211 (C-) *or* BIOL 203 (C-) *or* BIOL 208 (C-) *or* BIOL 214 (C-) *or* GEOG 214 (C-)
