

4-Year Bachelor of Science Mathematics



Program Planner 2017-2018

While your degree planning is directed by the specific requirements for your chosen concentration and minor, it is also driven by your own personal interests; therefore, it is most effective when you are the master of your own academic planning.

Please be aware of all prerequisites, corequisites, and other registration regulations for all courses required within your degree. Program planning can be very effective to identify potential courses needed in addition to specific requirements. Refer to section 4.0 in the *Concordia University of Edmonton Calendar* for more information regarding registration policies.

You are responsible for registering in and completing the courses necessary to obtain your degree. The *Concordia University of Edmonton Calendar* is the final authority regarding program requirements and academic regulations.

All students in a Bachelor of Science program must complete the Core Requirements as outlined in the table below.

| Category | Credits | Courses that Fulfill Requirement |
|---|---------|---|
| Humanities | 6 | ENG 100 or (ENG 101 or ENG 111 or ENG 120) and (ENG 102 or ENG 112 or ENG 121) |
| Sciences | 6 | Any BES, BIO, BIOCH, CH, CMPT, EAS, ENSC, IT, MAT (excluding MAT 220), or PHY courses |
| Social Sciences | 6 | Any ECO, HIS, POEC, PSCI, PSY, or SOC courses |
| Foundational Studies: Religious Studies | 3 | Any REL courses |
| Foundational Studies: Ethics, Philosophy or Religious Studies | 3 | Any PHIL, or REL courses, or ENVH 523, MGT 374, MGT 474, MAT 220, PSCI 361, or PSY 305 |
| Leadership: Communication | 3 | Any ARTH, DAN, DRA, GERM, GRK, HEBR, LAT, MUS (excluding MUS 630 and 631), MUP, SPA, or WRI courses, or BIO 227, ENSC 227, FR 101, FR 102, FR 211, FR 212, FR 250, FR 251, FR 252, FR 303, FR 372, HIS 290, MGT 310, PSY 319, PSY 332, PSY 333, PSY 405, SOC 344, or UFDN 199 |
| Leadership: Leadership Service, or Management | 3 | Any RELA courses, or BIO 480, BUS 110, DRA 325, DRA 350, DRA 383, DRA 425, DRA 450, DRA 483, ENSC 485, FIN 220, HIS 221, HRM 220, LDR 310, LDR 320, MUS 263, MUS 321, MUS 361, MUS 395&396, PSCI 101, PSY 486, or PSY 496 |

Core course requirements may be fulfilled through both concentration and minor requirements; however, the same course may not be counted toward both concentration and minor requirements. (Example: ENG 100 or (ENG 101 or ENG 111 or ENG 120) and (ENG 102 or ENG 112 or ENG 121) taken toward an English minor simultaneously fulfill the Humanities core requirement).

Major Requirements

45-60 credits required to include:

- a) MAT 113 or 114
- b) MAT 115, 120, and 151
- c) MAT 200 and 214
- d) MAT 400
- e) 24-39 credits of unspecified senior-level Mathematics courses including 6 credits at the 400-level

In addition to the above courses, students must complete:

- f) 6 credits of unspecified Information Technology or Computing Science courses

Sample Program

Below is a sample sequence of courses for your degree. Keep in mind that this is only an example; you may find that a different sequence works best for you.

Note: The 4-year Bachelor of Science degree requires 66 credits in Faculty of Science. The Science Electives in the planner below are for Mathematics majors who have a Faculty of Arts minor.

| | Fall Semester | Winter Semester |
|--------|--|---|
| Year 1 | ENG 100 or 101 or 111 or 120 MAT 113 or 114 MAT 200 Minor Social Science | ENG 100 or 102 or 112 or 121 MAT 115 MAT 120 Minor Social Science |
| Year 2 | MAT 151 MAT 214 Minor Leadership: Communication Science Elective | Senior MAT IT or CMPT Minor Leadership: Leadership Service, or Management Science Elective |
| Year 3 | 400-level MAT* Senior MAT Minor Foundational Studies: Religious Studies Science Elective | 400-level MAT* Senior MAT Minor Foundational Studies: Ethics, Philosophy or Religious Studies Science Elective |
| Year 4 | MAT 400** Senior MAT Senior MAT IT or CMPT Elective Elective | MAT 400** Senior MAT Elective Elective Elective |

*Be aware of the prerequisites required for your 400-level math course and plan ahead to ensure that you have taken the necessary prerequisite course(s).

**MAT 400 is a full session 3 credit course that runs over both Fall and Winter semesters.