

4-Year Bachelor of Science Chemistry



Program Planner 2026-2027

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 also responsible for registering in and completing the courses necessary to obtain your degree as per [section 10.0](#). The *Concordia University of Edmonton Calendar* is the final authority regarding program requirements and academic regulations.

The 4-year Bachelor of Science in Chemistry program is accredited by the Canadian Society for Chemistry (CSC). The CSC accredits undergraduate chemistry programs in Canadian universities, to ensure that educational programs have the potential to prepare graduates to practice their profession in a competent scientific manner. It also helps to maintain national standards of education by providing an external audit service for programs, and by promoting the portability of the qualifications of graduates from such programs.

Please see <https://www.cheminst.ca/about/about-csc/accreditation/>

Major Requirements

42-60 credits required, to include:

- a. CH 101 and 102
- b. CH 261 and 263
- c. CH 211 and 213
- d. CH 271 and 373 or CH 382
- e. CH 331 and 332
- f. CH 325
- g. 6 credits unspecified 400-level CH courses
- h. BIOCH200
- i. 0-18 credits of unspecified senior-level CH courses

In addition to the above courses, students must complete:

- j. 3 credits in PHY*
- k. MAT 114 and MAT 115
- l. BES 107 or BES 108
- m. 6 credits of courses offered by the Departments of Social Sciences or Psychology (CNST, ECO, HIS, INDG, POEC, PSCI, PSY, SOC)
- n. 3 credits of ENG courses
- o. 3 additional credits of courses offered by the Department of Literature and Languages, Religious Studies and Philosophy, or Fine Arts (ARAB, ARTH, CHIN, CLAS, CLIT, CREE, DAN, DRA, ENG, FR, GERM, GRK, HEBR, LAT, MUS, MUP, MUPB, MUPE, MUPG, MUPH, MUPK, MUPP, MUPS, MUPV, MUPW, MUED264, PHIL, POPC, REL, SPA, WRI)
- p. AIT 100

*PHY 111 is not open to students with credit in Physics 30 or the high school equivalent

Permissible minors:

All minors listed in [section 10.6](#), other than Chemistry.

MAT 120, MAT 214 and an additional 3 credits of Physics are strongly recommended.

Sample Program

Below is a sample sequence of courses for your degree. Keep in mind that this is only an example; you may find a different sequence works best for you. Also note that not all courses can be offered every semester. So, please check our [Course Timetables](#) for course availability.

Note: the 4-year Bachelor of Science degree requires a minimum of 66 credits in Faculty of Science. The science electives in the planner below are indicated for those who choose to complete a Faculty of Arts minor.

The normal full course load for undergraduate programs is 30 credits total for the Fall/Winter Session. However, it is not mandatory that a student take 15 credits per semester to be considered a full-time student. If you would like to take less courses each semester that is also acceptable - it will simply take you longer to graduate. Please be advised that you need to take 9 credits per Fall / Winter semester to be considered full time. We have highlighted (+) a few courses for your first year that we suggest you prioritize for registration, should you choose to take less than 15 credits per semester.

	Fall Semester	Winter Semester
Year 1	+AIT 100 +CH 101 ENG 101 or 111 or 120 +MAT 114 +PHY 111* or 121 or 131 3 credits from ARAB, ARTH, CHIN, CLAS, CLIT, CREE, DAN, DRA, ENG, FR, GERM, GRK, HEBR, LAT, MUS, MUP, MUPB, MUPE, MUPG, MUPH, MUPK, MUPP, MUPS, MUPV, MUPW, MUED264, PHIL, POPC, REL, SPA, or WRI	+CH 102 +MAT 115 +Minor Elective Elective
Year 2	CH 211 CH 261 CH 271 BES 107 or BES 108 Social Science or Psychology	BIOCH200 CH 213 CH 263 CH 373 or CH 382 Minor
Year 3	CH 325 CH 331 Minor Science Elective Elective	CH 332 Minor Social Science or Psychology Science Elective Elective
Year 4	3 credits of unspecified 400-level CH Minor Science Elective Elective Elective	3 credits of unspecified 400-level CH Minor Science Elective Elective Elective

* PHY 111 is not open to students with credit in Physics 30 or the high school equivalent