

# 4-Year Bachelor of Science Chemistry



## Program Planner 2019-2020

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 <http://www.cheminst.ca/csc-accreditation>

## Major Requirements

### 42-60 credits required, to include:

- a. CH 101 and 102
- b. CH 261 and 263
- c. CH 211 and one of CH 213 or CH 497
- d. CH 271 and one of CH 273 or CH 499
- e. CH 331 and one of CH 332 or CH 494
- f. One of CH 486, 491, 493, 494, 496, 497, 498 or 499
- g. BIOCH 200
- h. 6-24 credits of unspecified senior-level CH courses

### In addition to the above courses, students must complete:

- i. 3 credits in PHY
- j. MAT 114 and MAT 115
- k. BES 107 or BES 108
- l. 6 credits of courses offered by the Departments of Social Sciences or Psychology (CNST, ECO, HIS, INDG, POEC, PSCI, PSY, SOC)
- m. 3 credits of ENG courses
- n. 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, DRA, ENG, FR, GERM, GRK, HEBR, LAT, MUS, MUP, MUED 264, PHIL, POPC, REL, SPA, WRI)

### Permissible minors:

All minors listed in [section 10.6](#), except for Chemistry and Forensic Studies.

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.

	<b>Fall Semester</b>	<b>Winter Semester</b>
Year 1	CH 101 ENG 101 or 111 or 120 MAT 114 PHY 111, 121 or 131 3 credits from ARAB, ARTH, CHIN, CLAS, CLIT, CREE, DRA, ENG, FR, GERM, GRK, HEBR, LAT, MUS, MUP, MUED 264, 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	BIOCH 200 CH 263 Social Science or Psychology Minor Science Elective
Year 3	CH 331 Senior CH (Requirement h) Minor Science Elective Elective	CH 213 or CH 497 CH 273 or CH 499 CH 332 or CH 494 Minor Elective
Year 4	Senior CH (Requirement h) Minor Science Elective Elective Elective	CH 486, 491, 493, 494, 496, 497, 498, or 499 Minor Science Elective Elective Elective

