

# 4-Year Bachelor of Science Chemistry



## Program Planner 2015-2016

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 111&112
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 250, 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 111 and 112 taken toward an English minor simultaneously fulfill the Humanities core requirement).

## Major Requirements

### 42-60 credits required to include:

- a) CH 101 and 102
- b) CH 261 and 263
- c) CH 211, 271, and 331
- d) 6 credits chosen from CH 213, 273 or 332
- e) One of CH 486, 493, 494, 496, 497, 498, or 499
- f) 12-30 credits of unspecified senior-level Chemistry (may include BIOCH 200) courses with a minimum of 3 credits at the 400-level

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

- g) 3 credits in Physics
- h) MAT 113 or 114, and MAT 115

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 that a different sequence works best for you.

**Note:** The four-year Bachelor of Science degree requires a minimum of 66 credits in Faculty of Science. The Science Electives in the sample program below are for Chemistry majors who have a Faculty of Arts minor.

	<b>Fall Semester</b>	<b>Winter Semester</b>
Year 1	CH 101 ENG 100 or 110 MAT 113 or 114 PHY 111, 121 or 131 Minor	CH 102 ENG 100 or 110 MAT 115 Elective Minor
Year 2	CH 261 CH 211 Senior CH (Requirement d) Foundational Studies: Religious Studies Elective	CH 263 CH 271 Senior CH (Requirement d) Foundational Studies: Ethics, Philosophy or Religious Studies Elective
Year 3	CH 331 Senior CH (Requirement f) Minor Leadership: Communication Science Elective	Senior CH (Requirement f) Senior CH (Requirement f) Minor Leadership: Leadership Service, or Management Science Elective
Year 4	Senior CH (400-level) Senior CH (Requirement f) Social Science Minor Science Elective	CH 486, 493, 494, 496, 497, 498, or 499 Social Science Minor Science Elective Science Elective