

4-Year Bachelor of Science Biology

Emphasis in Integrative Biology



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.

Major Requirements

51-60 credits required, to include:

- a. BES 107 and 108
- b. BIO 207 and 265 and BIO 201
- c. ECOL208 or BIO 208 or ENSC208
- d. BIO 227
- e. One of BIO 243, BIO 261, (BIO 245 or BIO 342)
- f. 3 credits chosen from BIO 371, 355 and 364
- g. One of (ECOL250 or BIO 250), (BIO 225 or BIO 325), or BIO 350
- h. Two of BIO 304, (ECOL308 or BIO 308), (BIO 215 or ECOL215 or ECOL315), (ECOL339 or BIO 339)
- i. BIO 470 and 480
- j. BIO 488 and 489
- k. 3-12 credits of unspecified 300- or 400-level BIO or ECOL courses

In addition to the above courses, students must complete:

- l. CH 101 and 102
- m. CH 261
- n. BIOCH200
- o. MAT 151 and 3 credits of unspecified MAT courses
- p. 6 credits of courses offered by the Departments of Social Sciences or Psychology (CNST, ECO, HIS, INDG, POEC, PSCI, PSY, SOC)
- q. 3 credits of ENG courses
- r. 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)
- s. AIT 100

Permissible minors:

All minors listed in [section 10.6](#), other than Biology and Environmental Science.

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 +BES 107 +CH 101† ENG 101 or 111 or 120 +MAT 151 3 credits from ARAB, ARTH, CHIN, CLAS, CLIT, CREE, DAN, DRA, ENG, FR, GERM, GRK, HEBR, LAT, MUS, MUP, MUPB, MUPE, MUPH, MUPK, MUPP, MUPS, MUPV, MUPW, MUED264, PHIL, POPC, REL, SPA or WRI	+BES 108 +CH 102 +MAT Minor Elective
Year 2	BIO 207 ECOL208 or BIO 208 or ENSC208 BIO 227 CH 261† Social Science or Psychology	BIO 243 or 245 BIO 265‡ BIOCH200 BIO (Requirement f) Social Science or Psychology
Year 3	BIO 470 BIO (Requirement g) 300- or 400-level BIO or ECOL Minor Elective	BIO 480 BIO or ECOL (Requirement h) 300- or 400-level BIO or ECOL Minor Elective
Year 4	BIO 488 300- or 400-level BIO or ECOL Minor Minor Elective	BIO 489 Minor Elective Elective Elective

† Indicates prerequisite planning for BIOCH200.

‡ If you choose to take either BIO 355 or BIO 465, it is recommended you take BIO 265 in Year 2, winter semester.