

# 4-Year Bachelor of Science

## Biology

### Emphasis in Integrative Biology

#### Program Planner 2014-2015

While your degree planning is directed by the specific requirements for your chosen major 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 Calendar for more information regarding registration policies.

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

*Core course requirements may be fulfilled through both major and minor requirements; however, the same course may not be counted toward both major and minor requirements. (Example: courses taken toward a History minor simultaneously fulfills Social Science core).*

#### Major Requirements

**Emphasis in Integrative Biology:** 51-60 credits required to include:

- a) BES 107 and 108
- b) BIO 207
- c) BIO 208 or ENSC 208 and BIO 227 or ENSC 227
- d) BIO 243 or 245
- e) 6 credits chosen from BIO 201, 265, 355†, or 465‡
- f) One of BIO 250, BIO 225, or BIO 350
- g) One of BIO 304, ENSC 304, BIO 308, ENSC 308, BIO 339 or ENSC 339
- h) BIO 470, 480, 488 and 489
- i) 9-18 credits of unspecified 300- or 400-level Biology or Environmental Science courses

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

- j) CH 101
- k) CH 102
- l) CH 261
- m) BIOCH 200
- n) MAT 151 and 3 credits of unspecified Mathematics 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 a minimum of 66 credits in Faculty of Science. The science electives in the planner below are for Biology Majors who have a Faculty of Arts minor.

	Fall Semester	Winter Semester
Year 1	BES 107 CH 101† ENG 100 or 111 MAT 151 REL 101 or 150	BES 108 CH 102 ENG 100 or 112 MAT Minor
Year 2	BIO 207 BIO 208 or ENSC 208 BIO 227 or ENSC 227 CH 261† Social Science	Minor One of Section (e)‡ BIO 243 or 245 Social Science REL
Year 3	Senior ENG or WRI One of section (e) Minor BIO 470 BIOCH 200	One of Section (f) BIO 480 REL One of section (g) Minor
Year 4	300- or 400-level BIO or ENSC 300- or 400-level BIO or ENSC BIO 488 MAT, CMPT or IT Minor	300- or 400-level BIO or ENSC Elective BIO 489 Elective Minor

† Indicates prerequisite planning for BIOCH 200.

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