

# 4-Year Bachelor of Science Information Technology



## Program Planner 2023-2024

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

**45-60 credits required, to include:**

- a. IT 110 and CMPT 111
- b. IT 201, IT 210, IT 213 and IT 270
- c. CMPT 211 or IT 202
- d. IT 302, IT 310 and IT 331
- e. IT 450, IT 451 and IT 452
- f. 1.5 credits in IT 460
- g. 6-21 credits of unspecified senior-level IT or CMPT courses including 3 credits at the 400-level

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

- h. MAT 120
- i. CMPT 260 or MAT 321
- j. 6 additional credits selected from:
  - MAT 114
  - MAT 151
  - Any senior-level MAT course
- k. 3 credits of ENG
- l. DRA 252
- m. One of:
  - PHY 111 (PHY 111 is not open to students with credit in Physics 30 or the high school equivalent)
  - PHY 121
  - PHY 131
- n. ECO 101 or 102
- o. 3 additional credits offered by the Departments of Social Science or Psychology (CNST, ECO, HIS, INDG, POEC, PSCI, PSY, SOC)
- p. AIT 100

## Permissible minors:

All minors listed in [section 10.6](#), other than Information Technology and Computing 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<br>ENG 101 or 111 or 120<br>+MAT 120<br>+CMPT 111<br>PHY 111* or 121 or 131<br>+ECO 101 or 102 | +MAT 114, 151 or senior-level MAT<br>+Minor<br>+Social Science or Psychology<br>Science Elective<br>Science Elective |
| Year 2 | IT 110<br>IT 201<br>Senior IT or CMPT (requirement g)<br>MAT 114, 151 or senior-level MAT<br>Minor      | IT 210<br>IT 213<br>CMPT 211 or IT 202<br>Minor<br>Elective                                                          |
| Year 3 | IT 270<br>IT 310<br>CMPT 260 or MAT 321<br>DRA 252<br>Minor<br>IT 460+                                  | IT 302<br>400-level IT or CMPT (requirement g)<br>Minor<br>Elective<br>Elective<br>IT 460+                           |
| Year 4 | IT 451 [1.5 credits]<br>Minor<br>Elective<br>Elective<br>Elective<br>IT 460+                            | IT 452<br>IT 331<br>IT 450<br>Elective<br>Elective                                                                   |

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

+IT 460 is a 0.5 credit course that should be taken for credit 3 times.

