

Revised November 26, 2020

Subject: Important Notes and Curriculum Changes in the 2020-2021 UG Calendar

Dear Student,

Each academic year, all students enrolled in our **Software Engineering** program are sent a letter advising them of curriculum changes that have occurred since their entry into the program. As such, the present letter is to advise you of changes to your program that were approved by the University's Senate in April 2020. Note that these changes will only appear in the 2021/22 calendar.

It is important to read this entire letter, as these changes may affect your selection of courses or potentially your graduation. Students must meet the requirements of their program according to the calendar of their graduating year. This letter, as well as past ones, can be found on the following website:

<https://www.concordia.ca/ginacody/computer-science-software-eng/programs/software-eng/bachelor/course-sequences.html>

Should you have any questions regarding this letter and any of the curriculum changes therein, please do not hesitate to contact your Undergraduate Program Assistant, Ms. Katherine Matthews-Riel:

- By email at katherine.matthews-riel@concordia.ca;
- By phone at 514-848-2424 extension 3053; or
- In-person in room EV 3.144.

Because of the ongoing Covid-19 situation, it is not yet known when we will be back on campus, and so questions should be posed by email.

Please be reminded that you can always consult your program requirements and course descriptions by referring to the following website:

<http://www.concordia.ca/academics/undergraduate/calendar/current/sec71.html>

Please read the following pages carefully.

VERY IMPORTANT:

1. Students must have completed all 200-level courses required for their program before they can register for any 400-level course.

2. All 200-level courses within the program, taken after September 1, 2012 which are prerequisites for other courses, must be completed with a C- grade or better. A 200- level course in which a student obtained a D+ grade or lower must be repeated before attempting any course for which this 200-level course is a prerequisite.

3. Any courses that you are required to repeat due to conditional standing or readmission conditions must be completed with a grade of C- or better prior to graduation. This requirement will NOT be waived.

4. Students are required to graduate having met the substantial equivalent of the curriculum in force in the winter term prior to their degree conferral.

5. Students may now submit a request to write a supplemental exam, pending on meeting the requirements highlighted in section 71.10.3 of the 2020-2021 Calendar. Meeting the conditions does not guarantee the approval of the request.

6. In order to graduate, students must:

- i. Satisfy all their program requirements;**
- ii. Be in acceptable standing in their last annual assessment; and**
- iii. Have a minimum final graduation GPA of 2.00.**

The academic standings of potential graduates who have attempted less than 12 credits since their last assessment are determined on the basis that these credits constitute an extension of the last assessment period.

7. Graduation does NOT occur automatically and you must apply for graduation.

In order to find instructions on how to apply to graduate, please visit the link <https://www.concordia.ca/students/your-sis/apply-to-graduate.html>

The deadlines to apply for graduation are:

- January 15th for Spring Convocation; or**
- July 15th for Fall Convocation.**

8. MATH 202 is no longer required for students in the Extended Credit (ECP) or Mature Entry (MEP) programs.

1. Changes to the Engineering Core

- No changes have been made to the Engineering core.

2. Software Engineering Core

Changes have been made to the Software Engineering core:

- SOEN 345 replaces SOEN 344 as a co-requisite for SOEN 390. Students must ensure that they register for SOEN 345 in or before the winter term in which they plan on taking SOEN 390.
- SOEN 344 has been removed as a required course and SOEN 363 has been added as a required course in the core.
 - As a transitional measure, in the 2020-2021 academic year, students may register in either SOEN 344 or SOEN 363. Students who have taken SOEN 344 in or before the 2020/21 academic year will not be required to take SOEN 363.
 - If students take both SOEN 363 and SOEN 344, SOEN 344 will be counted as a technical SOEN elective.
 - Students who do not complete SOEN 344 before the end of the 2020/21 academic year must complete SOEN 363 as a required core course.
- COMP 352 or COEN 352 may now be taken previously or concurrently with SOEN 341.

3. Computer Science Group

- No changes have been made to the Computer Science Group.

4. Basic and Natural Science Courses

- No changes have been made to the Basic and Natural Science courses.

5. Software Engineering Options

Changes have been made to the Software Engineering Options:

- The Software Engineering Options have been removed from the program. Students in the Software Engineering program must complete at least 16 elective credits from the list of courses listed under Electives in Section 71.70.9 of the calendar. Electives have also been listed in the following groups to facilitate the selection of courses in a particular area of the field. However, there is no restriction to choose electives from a single group; students can freely select courses from different groups.
 - Computer Games
 - Data Engineering
 - Real-Time, Embedded, and Avionics Software
 - Web Services and Applications

- As a transitional measure, students already in the program can EITHER remain in their chosen option OR, depending on their graduation date, may submit a SOEN Option form to switch to
 - General Program (for students graduating in Spring 2021)
 - The new No-option program described above (for students graduating between Fall 2021 and Spring 2024)

- **Students graduating after Spring 2024 will automatically be part of the no-option program.**

6. Software Engineering Technical Electives

Changes have been made to the Software Engineering technical electives:

- SOEN 344 Advanced Software Architecture and Design (3.00 credits) has been added to the Technical Electives
- COMP 475 Immersive Technologies (4.00 credits) has been added to the Technical Electives
- SOEN 471 Big Data Analytics (4.00 credits) has been added to the Technical Electives
- COMP 432 Machine Learning (4.00 credits) has been added to the Technical Electives
- COMP 333 Data Analytics (3.00 credits) has been added to the Technical Electives
- COMP 339 Combinatorics (3.00 credits) has been added to the Technical Electives