

February 15, 2021

Subject: Important Notes and Curriculum Changes in the 2021-2022 UG Calendar

Dear Student,

Each academic year, all students enrolled in our **Computer 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 will appear in the 2021-2022 Undergraduate 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:

<http://www.concordia.ca/ginacody/electrical-computer-eng/programs/computer-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. Maria Fasciano:

- By email at mariaf@encs.concordia.ca;
- By phone at 514-848-2424 extension 3102; or
- In-person in room EV 5.144.

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 2021-2022 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. The application form can be found at: <http://registrar.concordia.ca/convo/gradapp.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.

Changes to the Computer Engineering Program

1. Changes to the Engineering Core

- No changes have been made to the Engineering core.

2. Computer Engineering Core

- The total number of credits increases from 72 to 72.5.
- Laboratory work is added to COEN243 and its credit increases from 3 to 3.5. Students who have taken 3-credit version of COEN243 can take 0.5 credits extra from Computer Engineering elective list.
- COEN 445 has been renamed COEN 366.

3. Computer Engineering Options

I. Avionics and Embedded Systems option:

- As of May 2021, the Avionics and Embedded Systems Option is removed from Computer Engineering Options. As a transitional measure, students who are enrolled in this option as of April 2021 may wish to remain in the option if they graduate in Fall 2022 convocation or earlier.

II. Biological and Biomedical Engineering (BME) option:

Biological and Biomedical Engineering Option Core:

- BME Option Core has been removed and COEN 433 and ELEC 444 have been added to BME Option Elective list.

Biological and Biomedical Engineering Option Electives:

- The total number of credits for BME Option has changed from 17.5 to 17 credits. At least 15 credits must be taken from BME Option Elective list. At least two courses must be chosen from the following four courses:
COEN 433, COEN 434, ELEC 444 and ELEC 445
- BIOL 261 and BIOL 266 were moved from BME electives to Science Elective list in the previous calendar (2020-2021). As a transitional measure, students in Biological and Biomedical Engineering (BME) option who have taken BIOL 261 and BIOL 266 as part of BME elective courses and graduate by Fall 2022 convocation, can use these two courses as BME Option Electives.

III. Pervasive Computing Option:

Pervasive Computing Option Core:

- Pervasive Computing Option Core has been removed and COEN 421 and COEN 424 have been added to Pervasive Computing Option Elective list.

Pervasive Computing Option Electives:

- The total number of credits for Pervasive Computing Option has changed from 17.5 to 17 credits. At least 15 credits must be taken from Pervasive Computing option Elective list. At least two courses must be chosen from the following four courses:

COEN 421, COEN 422, COEN 424 and COEN 446

- COEN 320 (3 credits) and COEN 445 (3.5 credits) were added to Computer Engineering Core in the calendar of 2020-2021. Therefore, COEN320 and COEN445 cannot be used as Pervasive Computing Option elective courses. As a transitional measure, students in Pervasive Computing Option who graduate in Fall 2022 convocation or earlier are allowed to use up to 6.5 credits from the Computer Engineering elective list (only COEN, SOEN and COMP) to satisfy Pervasive Computing Option Electives requirement.

IV. For students not selecting an option - General Stream:

- The total number of credits for General Stream electives has changed from 17.5 to 17.

4. **Computer Engineering Electives**

The following Computer Engineering Elective courses have been renamed:

COEN 315 to COEN 415
COEN 345 to COEN 448.