

July 12, 2019

Subject: Important Notes and Curriculum Changes in the 2019-2020 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 2019-2020 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 2019-2020 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.

1. Changes to the Computer Engineering Program

Industry Work term:

Students in the Computer Engineering program are required to complete at least one industry work term **approved in advance** by the undergraduate program director and administered by either the CIADI (71.10.9) or Co-Op (71.10.8) offices. Only those work terms undertaken after successfully completing 75 credits in the Computer Engineering program and passing COEN 390 would satisfy this requirement. It should be noted that ultimately it is the responsibility of the student to find an approved work term.

Students admitted to the Computer Engineering program before Fall 2019 do not have to complete any industry work term.

Changes to the Engineering Core

- No changes have been made to the Engineering core.

2. Computer Engineering Core

- No changes have been made to the Computer Engineering core.

3. Computer Engineering Options

- I. Avionics and Embedded Systems option:
 - No changes have been made to the Avionics and Embedded Systems option.
- II. Biological and Biomedical Engineering (BME) option:
 - No changes have been made to the Biological and Biomedical Engineering (BME) option.
 - ELEC445 Biological Signal Processing (3.00 credits) has been added to the Biological and Biomedical Engineering option elective list.
- III. Pervasive Computing Option:
 - No changes have been made to the Pervasive Computing option.
- IV. For students not selecting an option - General Stream:

- No changes have been made to the general stream.

As a transitional measure, students may still graduate with no option and not from the General Stream, provided that they graduate no later than November 2019. After November 2019, this transitional measure will be rescinded.

4. Computer Engineering Technical Electives

- Changes have been made to the Computer Engineering technical electives courses:

- **Option C:** Biological Signal Processing
ELEC445 Biological Signal processing (3.00 credits) has been added

- **Option E:** Telecommunications, Networks and Signal Processing

COEN 446 Internet of Things (3.00 credits) has been added

COEN 447 Software-Defined Networking (3.00 credits) has been added