

March 2021

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

Dear Student,

Each academic year, all students enrolled in our **Mechanical 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:

[www.concordia.ca/MIAEUGRAD](http://www.concordia.ca/MIAEUGRAD)

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. Sabrina Poirier:

- By email at [mie-upa@encs.concordia.ca](mailto:mie-upa@encs.concordia.ca);
- By phone at 514-848-2424 extension 3133; or
- In-person in room EV 4.144.

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 15<sup>th</sup> for Spring Convocation; or
- July 15<sup>th</sup> 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 Mechanical Engineering Program

### 1. Changes to the Engineering Core

No changes have been made to the Engineering Core.

### 2. Changes to the Mechanical Engineering Core

There are changes to the Mechanical Engineering Core:

- The total number of credits of the Mechanical Engineering Core has increased from 81.25 to 81.50 credits.
  - MIAE 311 (3.75cr) has been split into two components: the lecture course MIAE311 (3cr) and a standalone lab MIAE312 (1cr).
  - MIAE 311, Manufacturing Processes, is now 3 credits
  - MIAE 312, Engineering Design and Manufacturing Processes Lab, of 1.00 credit has been added to the Mechanical Engineering Core.
  - Students who have completed MIAE 311 prior to Winter 2021 are not required to complete MIAE 312. Students who enroll in MIAE 311 in Summer 2021 or later must complete MIAE 312.

### 3. Changes to the Mechanical Engineering Electives

There are changes to the Mechanical Engineering Technical Electives:

- The total number of credits of the Mechanical Engineering Technical Electives has decreased from 11.75 to 11.50 credits. This applies to students starting in September 2021, and all students who have taken MIAE312.
- MECH 462, Wind Turbine Engineering, is now MECH 468, Wind Turbine Engineering.
- MECH 448, Vehicle Dynamics, has been removed from the Mechanical engineering technical elective courses.
- INDU 412, Human Factors Engineering, has been added to the mechanical engineering technical elective courses.

### 4. Other: MIAE 380 Transitional Measures for MECH

This is a reminder about the transitional measures regarding **MIAE 380 Product Design & Development** (formerly called INDU 440), introduced for new students starting from Fall 2020.

**For current Mechanical Engineering students:**

- Student who are **graduating after JUNE 2023** must have taken MIAE 380 as part of their program core course requirements. This implies that they must adhere to the new updated sequence (with one less technical elective course required). We highly recommend that you re-sequence by following the instructions on our website [CONCORDIA.CA/MIAEUGRAD](http://CONCORDIA.CA/MIAEUGRAD). You may consult with your academic advisor to verify your revised sequence.
- Students who **will be graduating in JUNE 2023 or before**, do not have to take MIAE 380.
- Students **who will be graduating in JUNE 2023 or before** and have completed their first year of the undergraduate mechanical engineering program are strongly encouraged to enroll in MIAE 380 prior to taking MECH 390. This implies that they will be following the new updated sequence, i.e. MIAE 380 will be taken as part of their program core courses and is a pre-requisite to MECH 390. This also implies that the technical elective requirements are reduced by 3 credits. Therefore, we highly recommend that you re-sequence by following the instructions on our website. You may consult with your academic advisor to verify your revised sequence.