

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 **Aerospace 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:

<https://www.concordia.ca/ginacody/mechanical-industrial-aerospace-eng/students/undergraduate.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. 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 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 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.

## 1. Changes to the Engineering Core

- No changes have been made to the Engineering core.

## 2. Aerospace Engineering Core

Changes have been made to the Aerospace Engineering Core.

1. **AERO 290 (3 credits) has been added**, it is a new course that is now offered in the winter semester of the 2<sup>nd</sup> year and is a pre-requisite to AERO 390.
2. Students who have been admitted/transferred to the AERO program (any option) **after FALL 2018** are required to take AERO 290 as part of their program requirements. As a result, those same students are now required to take 3 credits less of AERO Option Electives.
3. Students who have been admitted/transferred to the AERO program (any option) **prior to FALL 2018** are **NOT** required to take AERO 290 as part of their program requirements. As such their technical elective requirements do not change.

## 3. Aerospace Engineering Option Core courses

Students in Aerospace Engineering **are now required** to complete a total of at least **56.75** credits from their Option courses. These credits are split into Option Core and Option Electives.

### **Option A – Aerodynamics & Propulsion**

- No changes have been made to Option A.
- Students are required to complete **50.25** credits of Option A Core courses.

### **Option B – Aerospace Structures & Materials**

- No changes have been made to Option B.
- Students are required to complete **54.00** credits of Option B Core courses.

### **Option C – Avionics & Aerospace Systems**

- **ELEC 251 and ELEC 311** have been **removed** from Option C Core courses and **added to Aero Option C Electives**.
- Students are now required to complete **41.50** credits of Option C Core courses.

#### 4. Aerospace Engineering Option Electives

**AERO 471** Aircraft Hydro-Mechanical and Fuel Systems (3.5 credits) and **AERO 472** Aircraft Pneumatic and Electrical Power Systems (3.5 credits) have been **added** as elective courses for all options.

##### **Option A – Aerodynamics & Propulsion**

- Students are required to take **6.5** credits of Option A Elective courses.

##### **Option B – Aerospace Structures & Materials**

- Students are required to take **2.75** credits of Option B Elective courses.

##### **Option C – Avionics & Aerospace Systems**

- Students are required to take **15.25** credits of Option C Elective courses.
- **ELEC 251** and **ELEC 311** have been **removed** from Option C Core and **added** to **Option C** electives.