April 2026

Subject: Important Notes and Curriculum Changes in the 2026-2027 UG Calendar

Dear Student,

Each academic year, all students enrolled in our **Aerospace Engineering** program are sent a letteradvising 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 2026 – 2027 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: Course sequences for Aerospace Engineering (BEng)

Should you have any questions regarding this letter and any of the curriculum changes therein, please do not hesitate to contact your Program Assistant, Ms. Sabrina Poirier:

- By email at aero-pa@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 Section 71.55 Course Requirements (BEng in Aerospace Engineering) - Concordia University.

Please read the following pages carefully.

VERY IMPORTANT:

It is important to check the undergraduate academic dates:
Academic dates – Undergraduate | Student Hub - Concordia University

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 submit a request to write a supplemental exam, pending on meeting the requirements highlighted in Section 71.10.3 of the 2026-27 Undergraduate 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: Applying for graduation | Graduation & convocation - Concordia University

   The deadlines to apply for graduation are:
   - January 15th for Spring Convocation; or
   - July 15th for Fall Convocation.

Changes to the Aerospace Engineering Program

1. Changes to the Engineering Core (27cr)

No changes have been made to the Engineering Core.

2. Changes to the Aerospace Engineering Core (38.75cr)

There are changes in the Aerospace Engineering Core:

- A new course MIAE 383 Applied Machine Learning in Mechanical, Industrial and Aerospace Engineering (3.50) has been added to the Aerospace Engineering Core.
- ENGR 251 Thermodynamics I (3.00) has been removed from the Aerospace Engineering Core
- ENGR 361 Fluid Mechanics I (3.00) now has the following prerequisites: The following courses must be completed previously: ENGR 213, ENGR 233, ENGR 251 or AERO 253.

3. Changes to the Aerospace Engineering Option Core for Options A, B and C

There are changes to the following Aerospace Engineering Option Cores:

Option A – Aerodynamics and propulsion (50.25)

- ENGR251 Thermodynamics I (3.00) has been added to the Aerospace Engineering Option A Core.
- AERO 446 Aerospace Vehicle Performance (3.00) has been removed from the Aerospace Engineering Option A Core.

Option B – Aerospace Structures & Materials (54.25)

- A new course AERO 253 Thermal Sciences for Aerospace Engineering (3.00) has been added to the Aerospace Engineering Option B Core.
- MECH352 Heat Transfer I (3.50) has been removed from the Aerospace Engineering Option B Core.
- MECH 373 Instrumentation and Measurements (3.50) now has the following prerequisites: The following courses must be completed previously: ENGR 311; AERO 371 or MECH 370 or MECH 371.
- MECH 375 Mechanical Vibrations (3.50) now has the following prerequisites: The following courses must be completed previously: AERO 371 or MECH 370 or MECH 371.

Option C – Avionics and Aerospace (49.5cr)

- A new course AERO 253 Thermal Sciences for Aerospace Engineering (3.00) has been added to the Aerospace Engineering Option C Core.
- AERO 482 Avionic Navigation Systems (3.00) now has the following prerequisites: The following courses must be completed previously: ENGR 371 or COMP 233; AERO 371 or ELEC 372 or MECH 370 or MECH 371 or SOEN 385.

4. Changes to the Aerospace Engineering Option Electives

There are changes to the following Aerospace Engineering Option Electives:

Option A – Aerodynamics and Propulsion (4.0cr)

- AERO 446 Aerospace Vehicle Performance (3.00) is added to the list of Aerospace Engineering Option A Elective courses.
- AERO 482 Avionic Navigation Systems (3.00) now has the following prerequisites: The following courses must be completed previously: ENGR 371 or COMP 233; AERO 371 or ELEC 372 or MECH 370 or MECH 371 or SOEN 385.
- MECH 373 Instrumentation and Measurements (3.50) now has the following prerequisites: The following courses must be completed previously: ENGR 311; AERO 371 or MECH 370 or MECH 371.
- MECH 375 Mechanical Vibrations (3.50) now has the following prerequisites: The following courses must be completed previously: AERO 371 or MECH 370 or MECH 371.

Option B – Aerospace Structures & Materials (0cr)

- There are no changes to Option B Electives.

Option C – Avionics and Aerospace (4.75cr)

- The number of credits for SOEN 342 Software Requirements and Specifications has been reduced from 4.00 to 3.00.

5. Transitional Measures for AERO 253, 446 and MIAE 383 – revised on April 2nd 2026

- Students who are admitted or re-admitted in **Fall 2026 or later** are required to take MIAE 383 as part of their core program requirements. This implies that they must adhere to the new 2026-27 sequence.
- Students who were admitted **before Fall 2026,** please follow the transition measures below:

  AERO Option A:
  - You must complete AERO446, you do not need to take MIAE383 *(revised on April 2nd, 2026)*

AERO Option B:

- If you complete ENGR 251 by Winter 2026, then you do not take AERO253, you must take MECH352, you do not take MIAE383.
- If you do not complete ENGR 251 by Winter 2026, then you must take AERO253 and MIAE383.

Aero Option C:

- If you complete ENGR251 by Winter 2026, then you do not take AERO 253, you do not take MIAE383.
- If you do not complete ENGR 251 by Winter 2026, then you must take AERO253 and MIAE383.