

ACADEMIC COUNCIL REPORT

ACTION REQUESTED:

Recommendation
Decision
Discussion/Direction
Information

DATE: 28 March 2023

FROM: Undergraduate Studies Committee

SUBJECT: Minor Program Adjustment - Bachelor of Engineering in Mechanical Engineering & Mechanical Engineering - Energy Engineering Specialization

COMMITTEE MANDATE:

In accordance with Section 1. b) of the Undergraduate Studies Committee (USC) Terms of Reference, USC has the responsibility “to approve minor program adjustments and report them to Academic Council for information.”

BACKGROUND/CONTEXT & RATIONALE:

The faculty proposed to replace MATH 2070U - Numerical Methods with ENGR 2100U - Computational Engineering Applications in Year 2, Semester 2 of the Mechanical Engineering and Mechanical Engineering – Energy Engineering specialization programs as well as the corresponding Engineering and Management program.

ENGR 2100U provides the needed graduate attributes at the development level in engineering applications. Those graduate attributes will be further developed in upper year courses to satisfy the CEAB requirements. The course also includes a lab component which will be used to apply all of what is learned in the lecture with emphasis on the graduate attributes.

RESOURCES REQUIRED:

N/A

CONSULTATION AND APPROVAL:

- Undergraduate Studies Committee: 21 February 2023
- Faculty Council: 26 January 2023
- Engineering Curriculum Committee: 19 January 2023

NEXT STEPS:

After presentation to Academic Council, this change will be included in the 2023-2024 Academic Calendar.

SUPPORTING REFERENCE MATERIALS:

[Minor Program Adjustment Proposal – Mechanical Engineering](#)

[Minor Program Adjustment Proposal – Mechanical Engineering – Energy Engineering Specialization](#)