

MECHANICAL ENGINEERING - DESIGN HONOURS (B.ENG.) (15 CREDITS)

Offered by: Mechanical Engineering (Faculty of Engineering)

Degree: Bachelor of Engineering

Program credit weight: 15

Program Description

****This program is not currently offered****

Students in this concentration take five courses in the area of design, including the completion of an interdisciplinary project.

Students should complete a Course Authorization Form, available from the McGill Engineering Student Centre (Student Affairs Office) (Frank Dawson Adams Building, Room 22) or from the Undergraduate Program Coordinator, indicating their intention to take the concentration.

Total concentration credit weight: 15-16 credits

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Required Courses (6 credits)

Expand allContract all

Course	Title	Credits
MECH 498	Interdisciplinary Design Project 1.	3
MECH 499	Interdisciplinary Design Project 2.	3

Complementary Courses

9-10 credits from the following:

Expand allContract all

Course	Title	Credits
ARCH 515	Sustainable Design.	3
CHEE 453	Process Design.	4
MECH 497	Value Engineering.	3
MECH 528	Product Design.	3
MECH 530	Mechanics of Composite Materials.	3
MECH 543	Design with Composite Materials.	3
MECH 565	Fluid Flow and Heat Transfer Equipment.	3
MECH 579	Multidisciplinary Design Optimization.	3