

# SEAD 510. ENERGY ANALYSIS.

---

Credits: 4

Offered by: Trottier Inst Sust,Eng&Design (Faculty of Engineering)

Terms offered: Fall 2025

[View offerings for Fall 2025 in Visual Schedule Builder.](#)

## Description

Critical analysis of the importance of energy to society, the unsustainability of the current energy system, and potential options for a sustainable energy system. Topics include: peak oil and climate change, fundamental energy metrics, traditional and alternative primary and secondary power systems, and energy storage technologies. Quantitative energy analysis is applied to a set of case studies investigating energy use, energy generation, and energy storage and transport.

- (3-0-9)
- Prerequisite: Permission of instructor.
- Restrictions: Restricted to students registered in the Faculty of Engineering (including the School of Architecture and the School of Urban Planning).
- Not open to undergraduate students in Chemical Engineering.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

[Launch Visual Schedule Builder](#)