

# BMDE 517. ELECTROMAGNETIC TECHNOLOGIES FOR BIOMEDICINE

---

Credits: 3

Offered by: Biomedical Engineering (Faculty of Engineering)

Terms offered: Fall 2025

View offerings for Fall 2025 in Visual Schedule Builder.

## Description

Introduction into concepts and characteristics of electromagnetic (EM) fields interacting with the body, from theory through practice. Electromagnetic properties of biological tissues, safety considerations, electrode- and antenna-based measurements, and existing and emerging medical technologies.

- Prerequisite(s): MATH 262 and MATH 263 and (ECSE 353 or ECSE 354 or PHYS 242) or permission of the instructor.

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](#)