Semester in Telecommunications Engineering

Biomedical Engineering: sensors, machine learning, communications and services.
S-MIT-2C1

STARTING YEAR 2025/26
DATES: October 9th - February 17th (approx)
Language: English

The students will focus on technology applied to health systems with emphasis on sensors and IoT, communications, data, signal, and image analysis using IA and services.

It is recommended the student coming from any technological bachelor's degree: telecommunications engineering, electrical and electronic engineering, computer science, physics, ...

The recommended background includes signal conditioning (filtering, amplification, ...), wireless communications (including modulation techniques and basics on propagation) and statistics at bachelor level.

Courses (5 ECTS each):

- Biosensors and Bioelectronics (52040017)
- Communication Technologies in Biomedicine (52040032)
- Communication and Data Analysis in IoT (52040018)
- IA techniques in distributed systems (52040031)
- IA in medical images (52040024)
- Architectures and Services in Health Systems (52040016)