MEDICINE AND SURGERY MedTech

An MD Program enriched with Biomedical Engineering

With Optional Bachelor's Degree in Biomedical Engineering additional 30 ECTS

UNIVERSITÀ
CAMPUS BIO-MEDICO DI ROMA

CLASS: LM-41
DURATION: 6 YEARS
ECTS Credits: 360



OVERVIEW

Technology today is pervasive, especially in medicine. We have established a new and innovative 6-year program that, by integrating medicine and engineering, educates future physician-innovators to address challenges of today and tomorrow in clinical medicine and research.
The combination of medicine and engineering in a rigorous and current human-centred medical curriculum uniquely qualifies MedTech graduates to become proactive participants in the development of medical technologies.
Medicine and engineering cross-fertilization will be facilitated by shared classes with Engineering students.
The MedTech program, through its emphasis on international networking, global health, and English-language educational content prepares our graduates to work in Italy and abroad.
In addition to the MD degree, MedTech students can pursue a Bachelor's degree in Biomedical Engineering by choosing to earn 30 additional credits (ECTS).

PROFESSIONAL SKILLS

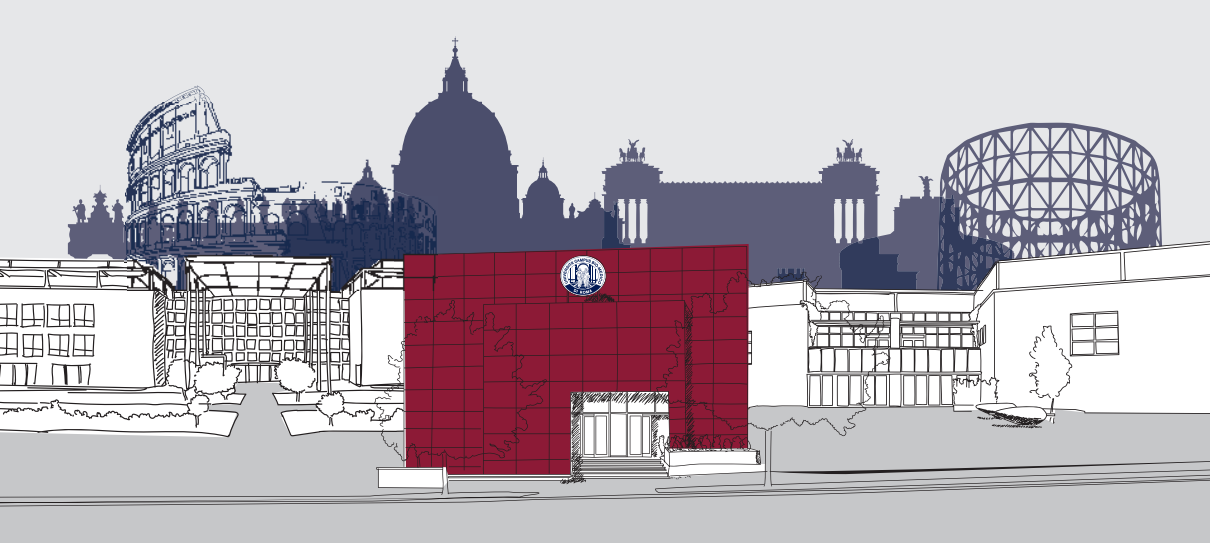
This is a highly demanding program. The infusion of Engineering know-how enhances traditional medical skills, leading to better and continuously updated medical practice or healthcare management. Students will acquire skills and competencies in a variety of fields including artificial intelligence, biosignals, omics, big data, tissue engineering, biomaterials and bioprinting, nanotechnologies, electronics, biomedical and surgical robotics, neurotechnologies, virtual and augmented reality.

EMPLOYMENT OPPORTUNITIES

The MedTech MD degree provides the same credentials as a traditional MD program with full access to Residency programs, allowing graduates to work in all medical fields.
The engineering and basic life science background, coupled with the propensity to innovate will widen and reinforce career opportunities in research and development in public and private sectors (e.g. pharmaceutical, medical-device and many more).



Find out all the details of the course



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