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Euromed University of Fez



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Euro-Mediterranean University of Fez



SCHOOL
OF ENGINEER
BIOMEDTECH

ENGINEER SCHOOL BIOMEDICAL AND BIOTECHNOLOGY

Become the engineers of tomorrow



Euromed University of Fez

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Union pour la Méditerranée
Union for the Mediterranean
الاتحاد من أجل المتوسط



MISSION & OBJECTIVE

The School of Biomedical and Biotechnology Engineering (EIB) aims to train high-level executives capable of supporting major projects and development sites in the countries of the Euromed basin and sub-Saharan Africa in the fields of biomedical and biotechnology. For this, we rely on a rich partnership network both academically (research centers in health sciences, hospitals, etc.), and industrial.

EIB students have the opportunity to live an experience abroad for two to three semesters of study. The EIB offers this possibility through the following programs:

- Exchange agreements established with our partners
- Credit mobility agreements within the framework of the ERASMUS+ programme.



STUDY PROGRAMME

› Preparatory cycle for engineering (2 years)

The two preparatory years constitute a solid foundation allowing access to engineering courses(3 years):

- › Engineer in Biomedical Engineering in
- › Biotechnology Engineer in Food
- › Industries

OUTLETS

1. Biomedical Engineer

A biomedical engineer :

- › Application of technical concepts in the biological field.

Instrumentation engineer:

- › Test and update medical instruments (diagnosis & treatment).

Installation engineer:

- › Installation of medical equipment in health facilities.

Teacher Researcher:

- › Research and development to offer innovative solutions in the field.

Maintenance engineer:

- › Rapid correction of wear and tear as various medical instruments.

2. Biotechnology Engineer

- › Engineering career in pharmaceutical or cosmetic industries, research laboratories or designers of biomedical instruments.

- › Career in the pharmaceutical industry or in bioengineering. PhD in programs related to biotechnology engineering. Entrepreneurial career through innovative projects in biotechnology. **The**

professions envisaged by this program are:

- › Biotechnology engineer
- › Quality assurance engineer
- › Bioprocess engineer
- › Researcher

CONDITIONS OF ADMISSION

ACCESS TO THE FIRST YEAR OF THE PREPARATORY CYCLE:

Degree required:scientific baccalaureate or any equivalent diploma.

Selection procedure:Dossier study plus competition.

ACCESS TO THE FIRST YEAR OF THE ENGINEERING CYCLE:

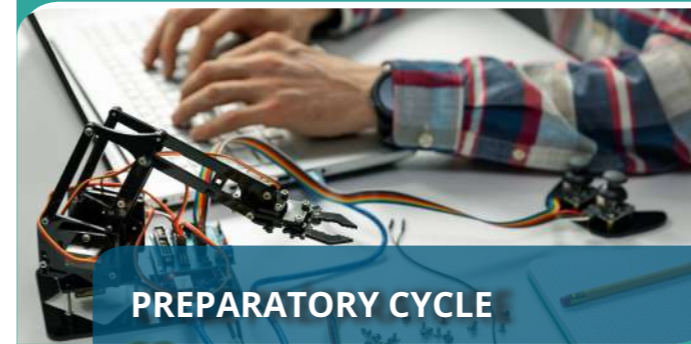
- › Candidates having validated the two preparatory years of the EIB.
- › Candidates who have passed the common national entrance examination to engineering training establishments and similar establishments.
- › Holders - in biology-chemistry or any specialty judged by the commission, equivalent to the following diplomas: DEUG, DUT, DEUST, DEUP, License or other equivalent diploma accredited by the State.

Selection procedure:

- For candidates with diplomas: DEUG, DUT, etc.

- › Study of the file
- › Written competition
- › Motivational interviewing

EIB TRAINING OFFER



PREPARATORY CYCLE

Preparatory Cycle for Engineer training

The first two years at the School of Biomedical and Biotechnology Engineering include a common core of modules whose objective is to provide the scientific and technical bases as well as the knowledge in human and social sciences essential for the pursuit of studies in the one of the specialty streams.



BIOMEDICAL ENGINEER

Biomedical Engineer

This program aims to apply the sciences and techniques of physics, mathematics and engineering to problems in biology. It prepares students for graduate studies in biomedical engineering and biological sciences in general, as well as careers in the design of biomaterials, the design of biomedical instruments, the design of medical devices (eg design of orthopedic prostheses, ...)



ENGINEER IN BIOTECHNOLOGY

Biotechnology Engineer

The Biotechnology Engineering program offered by EUROMED University will provide students with in-depth knowledge of biological sciences and technologies and transferable expertise and skills in a rapidly expanding field; economic and technological. This program offers a concentration in Biomolecular Engineering and Drug Development which will benefit students pursuing a career in bioengineering, in or in the following industries: pharmaceutical, cosmetics, and agri-food.



FOOD INDUSTRY ENGINEER

Food industry engineer

The Food Industries Engineer program offered by EUROMED University will provide students with in-depth knowledge of biological sciences and technologies and transferable expertise and skills in a rapidly expanding field; economic and technological. This program offers a concentration in Biomolecular Engineering and Drug Development which will benefit students pursuing a career in bioengineering, in or in the following industries: pharmaceutical, cosmetics, and agri-food.



DOCTORAL STUDIES

Doctoral studies

The doctoral cycle is training in and through research, crowned by obtaining the doctoral degree, after the defense of the research work carried out by the candidate in front of a jury. The doctoral degree sanctions a doctoral training course comprising training and research work enabling the doctoral student to acquire knowledge, skills and competences to undertake and complete high-level scientific research.