

Science
and Technology



University of
Applied Sciences
Krems | Austria

Bachelor

Medical and Pharmaceutical Biotechnology

Medical biotechnology | Pharmaceutical biotechnology | Quality management

www.imc.ac.at

What awaits you during your studies

Medical and Pharmaceutical Biotechnology

Improve the quality of life of millions of patients around the world with this internationally oriented programme in one of the fastest growing research disciplines.

Lectures and laboratory exercises on biochemical processes, cell and molecular biology, and genetic engineering provide a solid knowledge base. The theoretical principles and practical implementation of processes as well as thorough knowledge of quality management are also important parts of the degree. In addition, you will focus on biotech entrepreneurship and drug regulatory affairs and be ready for an interdisciplinary environment. The red thread throughout the programme: a strong focus on practical work and international opportunities.

At a glance



Full-time

Courses take place from Monday to Friday between 8.00 a.m. and around 8.00 p.m. (in exceptional cases on Saturdays).



English

The language of instruction is English. This prepares you for your international career in a multicultural environment.



6 semesters

The degree programme lasts 3 years, with a total workload of 180 ECTS. Graduates receive the academic degree of Bachelor of Science in Engineering (BSc).



22-week internship

You can quickly put into practice the expertise you have picked up during your courses. The internship is an obligatory part of the programme.



Study fee

EU/EEA citizens pay a study fee of EUR 363.36 per semester, plus the student union fee.

Did you know that ...

... a particularly attractive option is the double degree we offer in cooperation with Turku University of Applied Sciences in Finland? Besides obtaining a bachelor of science at IMC Krems, you will also be accredited with completing the Biotechnology and Chemical Engineering programme at our partner institution.



Modules | Full-time

SEMESTER I	SEMESTER II	SEMESTER III	SEMESTER IV	SEMESTER V	SEMESTER VI
INTRODUCTION TO LABORATORY	ORGANIC CHEMISTRY	LABORATORY SKILLS FOR BIOTECHNOLOGY	CELL & TISSUE ENGINEERING	PRACTICAL TRAINING IN INDUSTRY	SCIENTIFIC METHODS & TOOLS
BASICS OF PHYSICS	BIostatISTICS & DATA ANALYSIS IN BIOTECHNOLOGY	THEORETICAL & PRACTICAL BIOCHEMISTRY	PHARMACEUTICAL PRODUCTION PROCESSES	BACHELOR PAPER & BACHELOR EXAM	PROJECT MANAGEMENT
BASICS OF CHEMISTRY	BIOPHYSICS	APPLIED BIOINFORMATICS	APPLIED QUALITY MANAGEMENT		RECOMBINANT PROTEIN TECHNOLOGIES
FUNDAMENTALS IN MATHEMATICS	HUMAN MEDICINE II	MEDICAL BIOLOGY	PROTEIN PURIFICATION & BIOPROCESS TECHNOLOGY		BIOMEDICAL REGULATIONS
HUMAN MEDICINE I	MICROBIOLOGY & PHARMACEUTICAL PRODUCTION ENVIRONMENT	FUNDAMENTALS OF ENGINEERING			MANAGEMENT & MARKETING
MICROBIOLOGY	MOLECULAR BIOLOGY OF THE CELL	QUALITY MANAGEMENT AND GLP			JOURNAL CLUB FOR CURRENT ISSUES
APPLIED MATHEMATICS		PRACTICAL TRAINING IN INDUSTRY			VALIDATION & BIOMATERIALS
					BACHELOR PAPER & BACHELOR EXAM

Subject to possible alterations

More details on the curriculum, courses, contact hours and ECTS (European Credit Transfer System) can be found on: www.imc.ac.at



Your professional fields and future areas of responsibility

Your excellent career opportunities include working in biomedical research fields and in the industrial area. Many graduates complete PhD programmes in Austria and abroad. Our alumni lead R&D teams, manage biotech processes, are responsible for quality control, regulatory affairs or scientific marketing, or do research in life science fields and publish results in leading journals such as “Science”, “Cancer” or the “Journal of Biomolecular Screening”.

IMC. It's all in me.

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Accreditations



Memberships

