



Science  
and Technology



University of  
Applied Sciences  
Krems | Austria

Master

# Medical and Pharmaceutical Biotechnology

From advanced therapeutics development to bioprocess engineering

[www.imc.ac.at](http://www.imc.ac.at)

What awaits you during your studies

# Medical and Pharmaceutical Biotechnology

Our master degree programme is designed to provide you with extensive knowledge and expertise in biotechnology, from medical research to pharmaceutical production.

On the master programme, you will strengthen your methods-based and problem-solving skills, putting you in a position to overcome the challenges associated with developing and producing innovative treatments for cancer, autoimmune conditions or neurogenerative diseases. You will apply state-of-the-art, interdisciplinary strategies, such as growing “mini tumours” to help predict the effects of cancer treatments.

## At a glance



### Full-time

Courses usually take place from Monday to Friday.



### English

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



### 4 semesters

The degree programme lasts 2 years, with a total workload of 120 ECTS. Graduates receive the academic degree of Master of Science in Engineering (MSc).



### 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 Linköping University in Sweden? Besides obtaining a Master of Science at IMC Krems, you will also be accredited with completing the “Experimental and Medical Biosciences” programme at our partner institution.



## Modules | Full-time

SEMESTER I	SEMESTER II	SEMESTER III	SEMESTER IV
HEALTH, DISEASE AND THERAPEUTICAL STRATEGIES	INTEGRATIVE METHODS IN BIOTECHNOLOGY	ELECTIVES: BIOPROCESS ENGINEERING ADVANCED THERAPEUTICS DEVELOPMENT	ELECTIVES: BIOPROCESS ENGINEERING ADVANCED THERAPEUTICS DEVELOPMENT
BIOETHICS	ANALYTICAL METHODS IN LIFE SCIENCE		
PROCESS DESIGN	FUNDAMENTALS IN PHARMACEUTICAL SCIENCES	RESEARCH PROJECT IN INDUSTRY AND MASTER THESIS	RESEARCH PROJECT IN INDUSTRY AND MASTER THESIS
BIOMEDICAL REGULATIONS	QUALITY MANAGEMENT AND REGULATIONS IN BIOTECHNOLOGY		
BIOPROCESS TECHNOLOGY	PHARMACEUTICAL PROJECT MANAGEMENT		
RESEARCH PROJECT IN INDUSTRY AND MASTER THESIS	ERASMUS PROJECT MICROCREDENTIAL		
ELECTIVES: BIOPROCESS ENGINEERING ADVANCED THERAPEUTICS DEVELOPMENT	ELECTIVES: BIOPROCESS ENGINEERING ADVANCED THERAPEUTICS DEVELOPMENT		
ERASMUS PROJECT MICROCREDENTIALS	GLP, GMP & RISK ASSESSMENT		
UPSTREAM & DOWNSTREAM PROCESSING	FERMENTATION & SCALE-UP – SCALE-DOWN TECHNIQUES		

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](http://www.imc.ac.at)



## Your professional fields and future areas of responsibility

After your studies, you have the choice of either enrolling for a related PhD programme or starting your career. You’ll have excellent career prospects in: R&D functions in academia and industry; clinical trials and drug approval; planning and management of biotechnological processes (fermentation); biomedical and analytical testing procedures; coordination responsibilities in production, quality control, quality assurance and approval; marketing and sales; medical engineering; food technology and food safety; industrial and environmental biotechnology.

# IMC. It's all in me.

IMC Krems  
University of Applied Sciences  
3500 Krems, Austria

Prospective Student Advisory Service  
+43 2732 802-222  
[information@imc.ac.at](mailto:information@imc.ac.at)  
[www.imc.ac.at](http://www.imc.ac.at)



## Accreditations



## Memberships

