Science
and Technology

University of
Applied Sciences
Krems | Austria

Master

Sustainable Chemistry and Digital Processing*

Chemistry | Interdisciplinary problem-solving and innovation |
Digitalisation and data science | Research ethics and regulatory aspects

* Subject to approval by AQ Austria

www.imc.ac.at

What awaits you during your studies

Sustainable Chemistry and Digital Processing*

There is a growing demand for chemists who are able to utilise renewable resources and implement digital processes while being aware of regulatory protocols. The necessity to train experts in these fields arises from the scarcity of environmental resources and the need to optimise chemical processes in relation to minimising the negative impact on the environment. In order to achieve this goal, computer-based methods and the application of AI are becoming increasingly important. During your studies, we will provide you with in-depth chemical knowledge as well as expertise in modern digital tools and chemical regulations. You will benefit from our extensive academic expertise and our excellent connections to the chemical industry in Austria and abroad.

At a glance

Part-time
Courses will take place on 2, maximum 3 days a week.

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

4 semesters
You will complete your degree in 4 semesters, or 2 years, with a total workload of 120 ECTS. Graduates receive the academic degree of Master of Science (MSc) in Engineering.

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

Modules | Part-time

The programme will contain classes and laboratory courses focusing on the following topics:

AI IN CHEMISTRY & SCIENTIFIC SIMULATIONS	ENVIRONMENTAL CHEMISTRY	POLYMERS & ADVANCED MATERIALS	RESEARCH PROJECTS
BIOCHEMISTRY & FERMENTATION TECHNIQUES	GREEN CHEMISTRY	PROJECT MANAGEMENT	STATISTICS & MULTIVARIATE DATA ANALYSIS
CHEMICAL ENGINEERING	INSTRUMENTAL ANALYSIS	RECYCLING TECHNOLOGIES	SCIENTIFIC SKILLS AND WRITING
CHEMICAL LAW & REGULATIONS	ORGANIC CHEMISTRY	RENEWABLE MATERIALS	TOXICOLOGY
DESIGN OF EXPERIMENT			

Subject to possible alterations

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

Did you know that …

… upon completion of the programme, numerous avenues will be available to you. Due to the international focus of the course, job opportunities arise in both the domestic and global chemical industry, as well as in various PhD programmes at home and abroad.

Your professional fields and future areas of responsibility

As a graduate of the master degree programme in Sustainable Chemistry and Digital Processing, you can explore a range of diverse career opportunities, for example in the professional areas of polymer, basic materials or pharmaceutical industries, in environmental agencies or research institutions.

IMC. It’s all in me.

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Accreditations

Memberships

Version: 01/2025