

MASTER

Biotechnology

Specializations: Pharmaceutical Biotechnology | Ecobiotech

**STUDY
CO-OPERATIONS**
cooperation with Roche,
Novartis and Sandoz

STRUCTURE	1 st Semester: Core Curriculum 2 nd - 3 rd Semester: Core Curriculum with Specialization* 4 th Semester: Master Thesis and Final Exam
	*Specializations: Pharmaceutical Biotechnology, Ecobiotech
DEGREE	Master of Science in Engineering M.Sc. MSc* <i>*Use of the academic degree in combination with the brand 'MCI' approved</i>
	Optional: <ul style="list-style-type: none"> • Connected Programs with the Master study program Molecular Medicine at the Medical University in Innsbruck • Double Degree with the University of Padua "International Biopharma" • Double Degree with the University of Genoa „Medical-Pharmaceutical Biotechnology"
TIME MODEL	Full-time
LANGUAGE	English
CONTENT	<ul style="list-style-type: none"> • Core modules in Biotechnology 25% • Project Biotechnology 10% • Specialization 18,33% <ul style="list-style-type: none"> • Pharmaceutical Biotechnology • Ecobiotech • Scientific Methods and Master Thesis 36,67% • General Management 10%
PROFESSIONAL OPPORTUNITIES	<ul style="list-style-type: none"> • Biomedical research and development • Pharmaceutical industry and diagnostics • Environmental engineering • Chemical industry • Agriculture, fertilizer & fodder industries • Apparatus & plant engineering for biotechnological applications • Measuring, testing and analysis • Public infrastructure, associations and interest groups • International co-operation and organizations • Consulting, freelancing
ADMISSION REQUIREMENTS	Bachelor or equivalent degree in <ul style="list-style-type: none"> • Biotechnology / Food technology • Biochemistry / Biology • Pharmaceutical sciences / Biomedical analytics • Science & engineering courses with sufficient relevant content
TUITION	Per Semester: € 363.36 for students from EU & EEA countries + membership fee to the Austrian Students' Union (ÖH) Per Semester: € 7,000 for students from third countries + membership fee to the Austrian Students' Union (ÖH)
	Scholarships: mci.edu/scholarships
APPLICATION	<ul style="list-style-type: none"> • Online Application: CV & letter of motivation • Online admission interview Details and information on application and admission: mci.edu/admission



Curriculum

SEM SWS ECTS

4 | 4 | 30

Master thesis (incl. seminar & final examination)

30

3 | 21.5 | 30

Regulatory Framework & Scientific Methods 4	Bioinformatics 6	Industrial Biotechnology 6	Biopharma & Diagnostics 6	Project Biotech-nology 3 4	General Management 3 4
			Biomaterials & Green Chemistry 6		

2 | 21 | 30

Biodata Science & Scientific Methods 6	Pharmaceutical Technologies & Upstream Processing 8	Downstream Processing 4	Bioanalytics 4	Project Biotech-nology 2 4	General Management 2 4
	Environmental Microbiology & Sustainability 8	Bioremediation Technologies 8			

1 | 21.5 | 30

Biostatistics & Scientific Methods 4	Bioprocess Engineering & Cell Culture Technology 6	Molecular Biology & Physiology 8	Plant & Food Biotechnology 4	Project Biotech-nology 1 4	General Management 1 4
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- Pharmaceutical Biotechnology
- Ecobiotech

Core curriculum