

DOUBLE DEGREE MASTER

Medical-Pharmaceutical Biotechnology**MCI | THE ENTREPRENEURIAL SCHOOL® – UNIVERSITÀ DI GENOVA, ITALY**

The Double Degree program "Medical-Pharmaceutical Biotechnology" is based on a two-year (4-semester) curriculum: Double Degree students spend the first year studying at their home institution, and the second year at the host institution, where they complete their Master thesis. Courses are taught in English. Students combine medical and pharmaceutical topics with biotechnology, and gain valuable experience abroad. The main objective of the program is to train students in the field of medical and pharmaceutical biotechnology, which focusses on research at the molecular basis of diseases and the development of modern therapies such as gene and cell therapy or the production and analysis of recombinant protein drugs, monoclonal antibodies and biosimilars. Moreover, the program aims to improve students' capacity to study, work and live in a multicultural environment. Students will gain interdisciplinary knowledge in the field of molecular biology, biochemistry, recombinant DNA techniques in combination with medical biotechnological topics such as stem cell biology, molecular oncology, neurobiology, immunology and endocrinology. These topics are complemented by advanced pharmaceutical technology including the specific technical and regulatory issues dedicated to the research, development and monitoring of innovative drugs and therapies in a globalized market.

DURATION	4 semesters including Master thesis and final exam
SEMESTER	Semester 1 – 2: MCI The Entrepreneurial School® Semester 3 – 4: Università di Genova Winter term Genova: October - February Summer term Genova: February – July
LANGUAGE	English
ACADEMIC DEGREE	In Italy: Laurea Magistrale (Master's Degree) in Medical-Pharmaceutical Biotechnology In Austria: Master's Degree in Biotechnology (Master of Science in Engineering)
TUITION FEES	EUR 363,36 / semester for students from EU & EEA countries + membership fee to the Austrian Student Union ÖH)
ADMISSION	2 seats will be allocated each year
REQUIREMENTS	<ul style="list-style-type: none"> • Successful completion of the first cycle of studies (equivalent to a First Level Degree/Bachelor Degree) • Regular Enrolment in the Master's Degree Course in "Biotechnology", • having obtained at least 54 ECTS credits at the end of the first year of master studies. • Good academic records • Proficiency in English
APPLICATION	Application through MCI (Letter of motivation, transcript of records) in the 2 nd semester until mid-February
MASTER THESIS	Will be written in Genova in cooperation with a supervisor at MCI



Curriculum

SEM ECTS

4 | 31

Master Thesis & Final Examination

20

Elective Courses

10

Other Training Activities

1

3 | 29

Stem Cell Biology & Regenerative Medicine (with Laboratory)

6

Animal Models for Biotechnology

6

Developmental Neurobiology (with Laboratory)

6

Molecular Oncology, Immunology & Endocrinology

10

Other Training Activities

1

Università di Genova

2 | 30

Biodata Science & Scientific Methods

6

Pharmaceutical Technologies & Upstream Processing

8

Downstream Processing

4

Project Biotechnology II

4

Bioanalytics

4

General Management II

4

MCI

1 | 30

Biostatistics & Scientific Methods

4

Bioprocess Engineering & Cell Culture Technology

6

Molecular Biology & Physiology

8

Project Biotechnology I

4

Plant & Food Biotechnology

4

General Management I

4