

# **DOUBLE DEGREE MASTER PROGRAMMES**

**Biotechnologie  
Sanitarie**

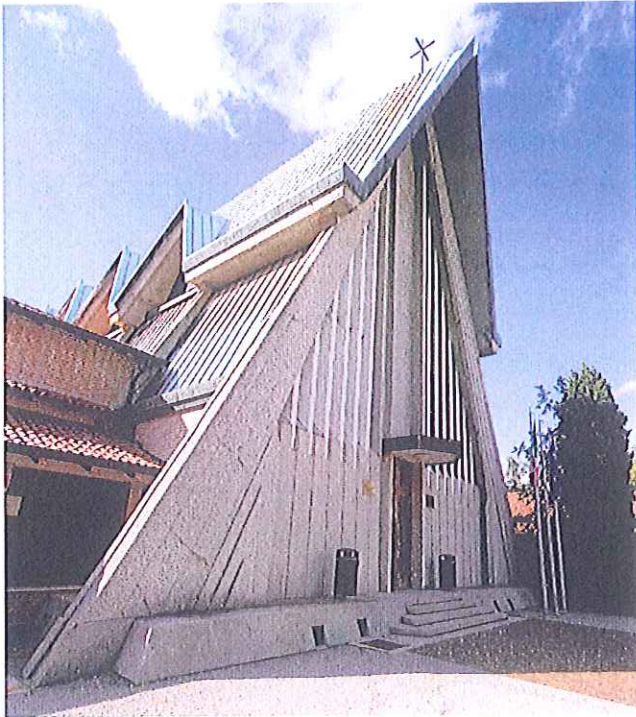
University of Udine,  
Udine, Italy  
(UNIUD)

[www.uniud.it](http://www.uniud.it)

**Medical and  
Pharmaceutical  
Biotechnology**

IMC University of Applied  
Sciences, Krems, Austria  
(IMC)

[www.fh-krems.ac.at](http://www.fh-krems.ac.at)



University of Udine,  
Udine, Italy



IMC University of Applied Sciences,  
Krems, Austria

**DEGREES:**

Master of Science in Engineering  
(IMC University of Applied Sciences Krems)

Laurea Magistrale in Biotecnologie Sanitarie  
(University of Udine)

**DURATION:** 4+2 semesters

**NUMBER OF PLACES:** 5/year

**WHO CAN APPLY:**

In Krems: Regular students of the Master programme **Medical and Pharmaceutical Biotechnology** at the IMC University of Applied Sciences Krems

In Udine: Regular students of the Master programme **Biotecnologie Sanitarie** at the University of Udine

## The University of Udine and the University of Applied Sciences Krams

This double degree programme stems from the desire the University of Udine and the University of Applied Sciences Krams in the spirit of European co-operation, to set up and develop a system of academic exchange.

This European awareness, present in both institutions, forms the basis for them to co-operate in their dual sphere of teaching and research within the framework of existing and future programmes promoted by the European Commission.

Based on the observation of a complementarity between the two courses offered by Udine and Krams Universities the two institutions believe that Udine students can take advantage of a more industry oriented biotechnology curriculum whereas Krams students can find in Udine a more clinically oriented biotechnology degree programme.

### TIMELINE

Students attend courses for two years at their home institution including the composition of a master thesis (120 ECTS) and then one year at the host university (64 ECTS) where they compose a second master thesis according to the regulations of the host institution. After the completion of all courses they have to pass the master exam at their home institution and at the host institution. They will then be awarded the degree in Udine of Laurea Magistrale in Biotecnologie Sanitarie and in Krams Master of Science in Engineering. The following table summarizes the timing of the study programme. Students have the option to apply for Erasmus+ Study and Placement mobility scholarships while still enrolled at the home institution.

Table 1: Timeline of the 4+2 semester of the Double Degree

SEM1 (winter semester)	courses/exams at the home institution
SEM2 (summer semester)	courses/exams at the home institution
SEM3 (winter semester)	courses/exams at the home institution
SEM4 (summer semester)	courses/exams at home institution /compile and finish Master Thesis <i>Application and Selection for Double Degree programme</i> <i>Application for Erasmus+ Study and Erasmus Placement</i>
SEM5 (winter semester)	courses/exams at the host institution
SEM6 (summer semester)	courses/exams at the host institution compile Master Thesis II at host institution
June or September or December	Thesis defense at home (thesis I) and at host institution (thesis II)

## APPLICATION in SEM4

Table 2: Timeline of the Application and Selection

By end of February	The student applies submitting the application documents at the home institution (programme coordination) <ul style="list-style-type: none"><li>• A letter of motivation</li><li>• A complete transcript of records</li><li>• 2 letters of reference</li></ul>
March	Selection of the students at the host university.
By mid-April	The host institution sends back a list with the accepted students.
By end of April	The home institution nominates the student for Erasmus+ mobility program.
During the summer semester	The student finishes all exams except the Master exam and hands in the Master thesis.
Before the start of the winter semester	Each nominated student is formally registered by the host institution.

### CRITERIA FOR APPLICATION

Udine: the first three semesters with an average score  $\geq 24/30$ .

Krems: first three semesters with a weighted average score (GPA) of 2,2.

English: oral and writing skills in English at level C1.

### TUITION FEES

You stay a regular student of your home University and pay the tuition fees in your home University.

### ERASMUS+ PROGRAMME

As a regular student of your home university you can apply for an ERASMUS+ grant in total for 12 month during your Master programme.

Krems: the application form can be found at the edesktop>KNOWLEDGEBASE>MOBILITY>OUTGOING

Udine: <http://www.uniud.it/international-area/incoming-mobility>  
e-mail for incoming students: [jss@uniud.it](mailto:jss@uniud.it)

## COURSES IN UDINE

Table 3: Courses offered by the University of Udine for the DD course

Course	Specialization Area	ECTS	Semester
Pharmacology	Diagnosis and Therapy	3	3rd semester
Internal Medicine		4	
Rheumatology		1	
Haematology	Specialism Disciplines	4	3rd semester
Medical Oncology		1	
Degenerative and regenerative processes in CNS		2	
Neurophysiology	Organ Pathophysiology	2	1st semester
General Pathology		2	
Gene Therapy	Genetics, epigenetics and Applied Biology	3	1st semester
Epigenetics		3	
Stem Cells		3	
Stem Cells	Regenerative Medicine	5	2nd semester
Exper. and Diagnostic Tech.		3	
Master Thesis	Master Thesis	28	4th semester

## COURSES IN KREMS

Table 4: Courses offered by the IMC University of Applied Sciences Krems, Department of Life Sciences

Course	Specialization Area	ECTS	Semester
Equipment and Production Design	Pharmaceutical Biotechnology	3	1st semester
Standardisation		1	
Equipment, Test and Process Validation		2	
Process Control and Process Online Monitoring		2	
Upstream Processing and Fermentation		2	
Scale up - Scale Down Techniques		2	
Recombinant Protein Production and Modification Theory		3	
Recombinant Protein Production and Modification Laboratory		5	
Fermentation Technology Laboratory		8	
Sampling and Quality Control		2	2nd semester
Drug Law and Regulations of Drugs and Medical Devices	Quality management	3	4th semester
Project and Portfolio Management		2	
Clinical Studies and GCP		2	
Quality Management Systems		2	
GLP and GMP Regulations		2	
Risk Assessment		1	
Master Thesis and Coaching Seminar I	Master thesis	15	3rd semester
Master Thesis and Coaching Seminar II		7	4th semester

## PROGRAMM COORDINATION

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