MASTER DEGREE COURSE IN **Biotecnologie farmaceutiche – Pharmaceutical biotechnologies** ***Study programme for students enrolled in the academic year 2025/26***		
1st YEAR		
MANDATORY UNITS		**CREDITS**
ADVANCED REACTIVITY AND MODELLING		7
ADVANCED MOLECULAR BIOLOGY		6
MOLECULAR AND EXPERIMENTAL PHARMACOLOGY		10
STRUCTURAL BIOCHEMISTRY		6
DRUG DISCOVERY AND DEVELOPMENT		7
PROTEIN ENGINEERING		6
PROTEOMICS AND BIOCHEMICAL METHODOLOGIES		6
2nd YEAR		
MANDATORY UNITS		**CREDITS**
DELIVERY AND FORMULATION OF BIOTECHNOLOGICAL DRUGS		11
DIAGNOSTIC MICROBIOLOGY AND MOLECULAR IMMUNOLOGY		10
BIOLOGICS AND BIOPHARMACEUTICALS		7
8 CREDITS FREE-CHOICE UNITS AMONG THE FOLLOWING:		
EDUCATIONAL ACTIVITIES SUGGESTED BY THE DEGREE COURSE	START-UP IDEAS IN PHARMACEUTICAL BIOTECHNOLOGIES	8
	BIOINFORMATICS AND COMPUTATIONAL BIOLOGY	
EDUCATIONAL ACTIVITIES PROVIDED BY OTHER MASTER DEGREE COURSES		8
ADDITIONAL FREE-CHOICE CREDITS		6
FINAL THESIS		30

ANY FURTHER NOTES

Attendance requirement: The Master degree course requires compulsory attendance of the lessons.
The degree course provides for the possibility of part-time enrollment

Other activities: Foreign languages, Stage, Short courses and computer

Master thesis: The thesis must last no less than seven (7) months carried out in a research laboratory at the University of Padua or at other Italian/International Universities, as well as other public and private research laboratories, or at industries, companies and external bodies, based on established agreements. Final thesis is an experimental project. The thesis must be written and discussed in English, under the guidance of a thesis supervisor professor