

MASTER IN MEDICAL BIOTECHNOLOGY (OR HUMAN HEALTH BIOTECHNOLOGY)

FIRST YEAR	
SEMESTER 1 (28C)	
Basic core module <i>Aimed at giving a deep understanding of the biotechnological tools used in molecular and cellular biology with an emphasis on health and environmental applications</i>	General module <i>Specific courses aimed at developing communication skills, to provide general knowledge of basic safety procedures in the laboratory, and to introduce students to issues in ethics in biotechnology</i>
Genomic and nucleic acid biotechnology (4C) Bacterial biotechnology (4C) Biotechnology of filamentous fungi and yeasts (4C) Animal cell biotechnology (4C) Plant biotechnology (4C)	Professional skills in biotechnology (5C) Laboratory safety (3C)
SEMESTER 2 (24 C)	
Practicum I (Training in Clinical Analysis and Pathological Anatomy) (12C)	
<ul style="list-style-type: none"> • Toxicokinetics and toxicodynamics (4C) • Epidemiological surveillance (4C) • Virus biotechnology (4C) 	
SECOND YEAR	
SEMESTER 3 (30 C)	
<ul style="list-style-type: none"> • Nephrology (3c) • Blood Diseases (3c) • Neurology (3c) • Clinical Pathology (5c) • Clinical Microbiology (6c) • Pharmacology (5c) • Gene Therapy (5c) 	
SEMESTER 4 (40C)	
<ul style="list-style-type: none"> • Internal medicine (5c) • Embriology (3c) 	
OPTIONAL SUBJECTS (8 C)	
Postnatal and Molecular Medicine (8C)	
Regenerative Medicine and Genomics (8C)	
Master's Thesis (24C)	

Note: Numbers in parentheses indicate the number of ECTS credits for each subject