

## MASTER OF SCIENCE IN BIOTECHNOLOGY

The degree course lasts two academic years. To complete the program, students must acquire 120 credits (CFU). 77 are from Core Courses and 9 are from Elective Courses. The remaining credits must be earned by the students through original research work, typically during a 6-8 month internship project. This internship is compulsory and the results of this study must be documented in an original paper (thesis).

	<b>CORE COURSES (common to both curricula)</b>			
<b>Code</b>	<b>Courses</b>	<b>Year/Sem</b>	<b>CFU</b>	<b>SSD</b>
8067085	Applied Immunology	I/I	6	MED/04
8067587-M6043	Industrial Biochemistry and Bioinformatics (Industrial Biochemistry)	I/I	11 (8)	BIO/10
8067587-M-6044	Industrial Biochemistry and Bioinformatics (Bioinformatics for Biotechnology)	I/II	11 (3)	BIO/11
8067080-M-5070	Pharmacology and Pharmaceutical Chemistry (Pharmaceutical Chemistry)	I/I	12 (6)	CHIM/08
8067080-M-5071	Pharmacology and Pharmaceutical Chemistry (Pharmacology)	I/II	12 (6)	BIO/14
8067087	Pharmaceutical applications of plant metabolites	I/II	6	BIO/04
	Stem Cell	II/I	6	BIO/13
	<b>Curriculum APPLIED BIOTECHNOLOGY</b>			
<b>Code</b>	<b>Courses</b>	<b>Year/Sem</b>	<b>CFU</b>	<b>SSD</b>
8067084	Applied Ecology	I/II	6	BIO/07
8067086	Biosensor Technology	I/II	6	CHIM/01
8067083	Microbial Technology	I/II	6	BIO/19
8067077	Plant Biomass and Phytotechnologies	I/I	6	BIO/01
8067081	Gene expression and regulation	I/I	6	BIO/18
8067089	Applied Economics	II/I	6	SECS-P/06
	<b>curriculum CLINICAL RESEARCH</b>			
<b>Code</b>	<b>Courses</b>	<b>Year/Sem</b>	<b>CFU</b>	<b>SSD</b>
8067315	Applied Physiopathology	I/I	6	MED/04
8067386-M-5818	Clinical Data Quality Management (Clinical Research Quality Management)	I/I	6 (3)	MED/09
8067386-M-5819	Clinical Data Quality Management (Clinical Monitoring)	I/I	6 (3)	MED/09
8067781-M-6350	Clinical Research Development and Management (from Research to market Access)	I/II	6 (3)	MED/01

8067781-M-6351	Clinical Research Development and Management (post Launch Activities)	I/II	6 (3)	SECS-P/10
8067385-M-5816	Clinical Research Methodology (Clinical Research Application to Human Diseases)	I/I	6 (2)	SECS-S/02
8067385-M-5817	Clinical Research Methodology (Methodological approaches to Clinical Research)	I/I	6 (4)	SECS-S/02
8067326	Drug Design and Development	I/II	6	CHIM/09
8067631	Clinical trials-Regulatory Activities	II/I	6	IUS/09