

1. Curriculum/Modules

Semester 1 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
MBt1-GB1	General Biology I	79	121	8	C	
MBt1-AC	Analytical Chemistry	79	121	7	S	
MBt1-Bph	Biophysics	79	121	8	S	
MBt1-CS	Computer Science	33	17	3	B	
UN1-EngL	English language	33	17	2	B	
UN1-HR	Human rights	33	17	2	B	

Semester 2 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
MBt2-GB2	General BiologyII	79	121	8	S	
MBt2-PrBt	Principle of Biotechnology	48	52	6	C	
MBt2-OC	Organic Chemistry	79	121	8	S	
MBt2-Bst	Biostatistics	79	71	6	S	
UN2-ArL	Arabic Language	33	17	2	B	

Semester 3 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
MBt3-GG	General Genetics	79	71	6	C	
MBt3-Bch	Biochemistry	79	71	6	S	-Analytical Chemistry

						-Organic Chemistry
MBt3-LaT	Laboratory Techniques	79	121	8	C	
MBt3-GMb	General Microbiology	79	71	6	S	
MBt3-BRiM	Biosafety and Risk Management	33	17	2	S	
UN3-EngL	English Language	33	17	2	B	

Semester 4 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
MBt4-MB	Molecular Biology	79	121	8	C	-Biochemistry - General Biology II
MBt4-Im	Immunology	48	52	4	S	-Biochemistry -General Microbiology
MBt4-GM2	General Microbiology II	79	121	8	C	-Organic Chemistry
MBt4-IF	Industrial Fermentation	48	52	4	C	General BiologyI
MBt4-EM	Environmental Microbiology	79	71	6	C	-Principle of Biotechnology

Semester 5 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
MBt5-InMb	Industrial Microbiology	79	71	6	S	General Microbiology
MBt5-MiMe	Microbial Metabolism	79	121	8	C	
MBt5-My	Mycology	79	121	8	C	
MBt5-MeMi	Medical Microbiology	79	71	6	S	
UN5-EngL	English Language	33	17	2	B	

Semester 6 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
MBt6-MiPh	Microbial Physiology	79	71	6	S	Molecular Biology
MBt6-Vi	Virology	79	71	6	C	
MBt6-Par	Parasitology	79	71	6	S	
MBt6-VaAn	Vaccines and Antibiotics	79	71	6	C	
MBt6-MiTo	Microbial Toxins	79	71	6	C	General Microbiology

Semester 7 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
MBt7-MiEn	Microbial Enzymology	79	121	8	C	-Industrial Microbiology
MBt7-ScWr	Scientific Writing	48	52	4	S	
MBt7-GrRePrI	Graduation Research Project- I	90	60	6	C	
MBt7-Imm	Immunogenetics	48	52	4	C	-Molecular Biology
MBt7- GeEn	Genetic Engineering	79	71	6	S	
UN7-EngL	English Language	33	17	2	B	

Semester 8 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
MBt8-BSe	Bioseparation	79	71	6	C	
MBt8-PrBa	Practical Bacteriology	79	71	6	S	
MBt8-PhBt	Pharmaceutical Biotechnology	48	52	4	C	
MBt8-GrRePrII	Graduation Research Project - II	90	60	6	C	
MBt8-MiTe	Microbial Techniques	48	52	4	S	
MBt8E	Elective	48	52	4	E	

Elective

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
MBt8-ClMi	Clinical Microbiology	48	52	4	E	- General Microbiology
MBt8-PhFu	Physiology of Fungus	48	52	4	E	
MBt8-FoMb	Food Microbiology	48	52	4	E	-General Microbiology
MBt6-ClBio	Clinical Biochemistry	48	52	4	E	