

Biology Curriculum 2024-2025

First Stage

First semester

Module	The number of hours		The number of credits
	Theoretical	practical	
General Zoology	2	2	8
General Chemistry	2	2	8
General Mathematics and Biostatistics	2	1	7
Computer I	1	2	3
Democracy & Human Rights	2	0	2
Arabic Language	2	0	2

Second semester

Module	The number of hours		The number of credits
	Theoretical	Practical	
General Botany	2	2	8
Biochemistry	2	2	6
Biosafety & Biosecurity	1	0	3
Bacteriology	2	2	6
General Physics	2	2	5
English Language	2	0	2

Second stage

First semester

Module	The number of hours		The number of credits
	Theoretical	practical	
Invertebrates	2	2	5
Entomology	2	2	5
Cytology	2	2	5
Ecology	2	2	5
Plant Anatomy	2	2	4
Mycology	2	2	4
Crimes of Baath Regime in Iraq	2	0	2

Second semester

Module	The number of hours		The number of credits
	theoretical	Practical	
Parasitology	2	2	6
Pollution	2	2	6
Plant Taxonomy	2	2	5
Algae and Archegoniate	2	2	6
Computer II	1	2	3
English Language	2	0	2
Arabic Language	2	0	2

Third stage

First semester

Module	The number of hours		The number of credits
	theoretical	Practical	
Ecology	2	2	3
Cytology	2	2	3
Plant Physiology	2	2	3
Histology	2	2	3
Mycology	2	2	3
Immunology	2	2	3

Second semester

Module	The number of hours		The number of credits
	theoretical	practical	
Pollution	2	2	3
Genetics	2	2	3
Mycology	2	2	3
Animal Physiology	2	2	3
Microbial Physiology	2	2	3
Aquatic & Soil Microbiology	2	2	3
English Language	2	0	2

Fourth stage

First semester

Module	The number of hours		The number of credits
	theoretical	practical	
Molecular Biology & Bacterial Genetic	2	2	3
Food Microbiology	2	2	3
Embryology	2	2	3
Pathogenic Bacteria	2	2	3
Helminthology	2	2	3
English Language	2	0	2
Research Project	0	2	2

Second semester

Module	The number of hours		The number of credits
	Theoretical	practical	
Genetic Engineering	2	2	3
Biotechnology	2	2	3
Virology	2	2	3
Aquatic & Soil Microbiology	2	2	3
Clinical Analysis	2	2	3
Comparative Anatomy	2	2	3
Research Project	0	2	2