



DEGREE COURSE IN BIOLOGY

TEACHINGS PROVIDED ACADEMIC YEAR 2025/2026

CURRICULUM BIOSANITARIO

FIRST YEAR (Entry in 2025)

Teachings	Link to the teaching information sheet	SSD	CFU	Lesson hours	Laboratory hours
First semester					
Biochimica clinica applicata (APPLIED CLINICAL BIOCHEMISTRY)	Link to course information	BIO/12	6	42	
Biologia Molecolare avanzata (ADVANCED MOLECULAR BIOLOGY)	Link to course information	BIO/10	6	35	12
Immunopatologia (IMMUNOPATHOLOGY)	Link to course information	MED/04	6	42	
<i>Student-selected activities</i>			6		
English language (B2)	University Language Centre		3		
Two courses to choose among: • Metodologie biochimiche (BIOCHEMICAL METHODS) • Biologia vegetale applicata (Salute, Alimentazione e ambiente) (PLANT BIOLOGY APPLIED TO HEALTHY NUTRITION AND THE ENVIRONMENT) • Analisi chimica strumentale (ANALYTICAL CHEMISTRY)	Link to course information Link to course information Link to course information	BIO/10 BIO/03 CHIM/02	6 6 6	35 42 42	12 12 12
Second semester					
Metodologie di indagine citologica e istologica (METHODOLOGIES OF CITOLOGICAL AND HISTOLOGICAL SURVEY)	Link to course information	BIO/06	6	35	12
Neurobiology (NEUROBIOLOGY)	Link to course information	BIO/09	6	35	12
Microbiologia applicata (APPLIED MICROBIOLOGY)	Link to course information	BIO/19	6	35	12

SECOND YEAR (Entry in 2024)

Teachings	Link to the teaching information sheet	SSD	CFU	Lesson hours	Laboratory hours
First semester					
Virologia medica per biologi (MEDICAL VIROLOGY FOR BIOLOGISTS)	Link to course information	MED/07	6	35	12
Igiene applicata (APPLIED HYGEN)	Link to course information	MED/42	6	35	12
<i>Student-selected activities</i>			6		
Internship	Internship		7	175	
Stage	Stage		5	125	
Second semester					
Ecotossicologia applicata (APPLIED ECOTOXICOLOGY)	Link to course information	BIO/07	6	35	12
Master thesis			27		

CURRICULUM BIONUTRIZIONISTICO

FIRST YEAR (Entry in 2025)

Teachings	Link to the teaching information sheet	SSD	CFU	Lesson hours	Laboratory hours
First semester					
Alimenti funzionali e prodotti dietetici (FUNCTIONAL FOODS AND DIETETIC PRODUCTS)	Link to course information	CHIM/10	6	35	12
<i>Student-selected activities</i>			6		
English language (B2)	University Language Centre		3		
Three courses to choose among: • Metodologie biochimiche (BIOCHEMICAL METHODS) • Biologia vegetale applicata (Salute, Alimentazione e ambiente) (PLANT BIOLOGY APPLIED TO HEALTHY NUTRITION AND THE ENVIRONMENT) • Analisi chimica strumentale (ANALYTICAL CHEMISTRY) • Igiene degli alimenti (FOOD HYGIENE)	Link to course information Link to course information Link to course information Link to course information	BIO/10 BIO/03 CHIM/02 MED/42	6 6 6 6	35 42 42 42	12
Second semester					
Genetica e genomica (GENETICS AND GENOMICS)	Link to course information	BIO/18	6	35	12
Biochimica della nutrizione (NUTRITIONAL BIOCHEMISTRY)	Link to course information	BIO/10	6	42	
Microbiologia applicata (APPLIED MICROBIOLOGY)	Link to course information	BIO/19	6	35	12
Plant biotechnology	Link to course information	BIO/04	6	42	

SECOND YEAR (Entry in 2024)

Teachings	Link to the teaching information sheet	SSD	CFU	Lesson hours	Laboratory hours
First semester					
Scienza della nutrizione e piani alimentari (NUTRITION SCIENCE AND FOOD PLANS)	Link to course information	BIO/09	6	35	12
Igiene applicata (APPLIED HYGEN)	Link to course information	MED/42	6	35	12
<i>Student-selected activities</i>			6		
Internship	Internship		7	175	
Stage	Stage		5	125	
Second semester					
Ecotossicologia applicata (APPLIED ECOTOXICOLOGY)	Link to course information	BIO/07	6	35	12
Master thesis			27		

CURRICULUM BIOMOLECOLARE

FIRST YEAR (Entry in 2025)

Teachings	Link to the teaching information sheet	SSD	CFU	Lesson hours	Laboratory hours
First semester					
Biologia Molecolare avanzata (ADVANCED MOLECULAR BIOLOGY)	Link to course information	BIO/10	6	35	12
English language (B2)	University Language Centre		3		
Three courses to choose among: • Metodologie biochimiche (BIOCHEMICAL METHODS) • Biologia quantitativa (QUANTITATIVE BIOLOGY) • Classical molecular dynamics and machine learning: simulation of biosystem • Analisi chimica strumentale (ANALYTICAL CHEMISTRY) • Biologia vegetale applicata (Salute, Alimentazione e ambiente) (PLANT BIOLOGY APPLIED TO HEALTHY NUTRITION AND THE ENVIRONMENT)	Link to course information Link to course information Link to course information Link to course information Link to course information	BIO/10 BIO/10 CHIM/03 CHIM/02 BIO/03	6 6 6 6 6	35 42 35 42 42	12 12
Second semester					
Genetica e genomica (GENETICS AND GENOMICS)	Link to course information	BIO/18	6	35	12
Fisiologia molecolare (MOLECULAR PHYSIOLOGY)	Link to course information	BIO/09	6	35	12
Microbiologia applicata (APPLIED MICROBIOLOGY)	Link to course information	BIO/19	6	35	12
Plant Biotechnology	Link to course information	BIO/04	6	42	
<i>Student-selected activities</i>			6		

SECOND YEAR (Entry in 2024)

Teachings	Link to the teaching information sheet	SSD	CFU	Lesson hours	Laboratory hours
First semester					
Virologia medica per biologi (MEDICAL VIROLOGY FOR BIOLOGISTS)	Link to course information	MED/07	6	35	12
Igiene applicata (APPLIED HYGEN)	Link to course information	MED/42	6	35	12
<i>Student-selected activities</i>			6		
Internship	Internship		7		
Stage	Stage		5		
Second semester					
Metodologie di indagine citologica e istologica (METHODOLOGIES OF CITOLOGICAL AND HISTOLOGICAL SURVEY)	Link to course information	BIO/06	6	35	12
Master thesis			27		

CURRICULUM BIOAMBIENTALE

FIRST YEAR (Entry in 2025)

Teachings	Link to the teaching information sheet	SSD	CFU	Lesson hours	Laboratory hours
First semester					
Ecologia delle acque interne (ECOLOGY OF FRESH WATERS)	Link to course information	BIO/07	6	42	
Ethology	Link to course information	BIO/05	6	42	
English language (B2)	University Language Centre		3		
Two courses to choose among: - Strumenti molecolari applicati all'analisi faunistica (MOLECULAR TOOLS APPLIED TO FAUNISTIC ANALYSIS) - Biologia vegetale applicata (Salute, Alimentazione e ambiente) (PLANT BIOLOGY APPLIED TO HEALTHY NUTRITION AND THE ENVIRONMENT) - Analisi chimica strumentale (ANALYTICAL CHEMISTRY) - Ecotossicologia applicata (APPLIED ECOTOXICOLOGY) - Paleontologia (PALEONTOLOGY)	Link to course information Link to course information Link to course information Link to course information Link to course information	BIO/06 BIO/03 CHIM/02 BIO/07 GEO/01	6 6 6 6 6	42 42 42 35 42	 12
Second semester					
Biosistemica (BYOSYSTEMATICS)	Link to course information	BIO/05 BIO/03	12		
Analisi dei sistemi ecologici (ECOLOGICAL SYSTEMS ANALYSIS)	Link to course information	BIO/07	6	35	12
Monitoring vegetation systems	Link to course information	BIO/03	6	35	12
Microbiologia applicata (APPLIED MICROBIOLOGY)	Link to course information	BIO/19	6	35	12

SECOND YEAR (Entry in 2024)

Teachings	Link to the teaching information sheet	SSD	CFU	Lesson hours	Laboratory hours
First semester					
Two courses to choose among: • Strumenti molecolari applicati all'analisi faunistica (MOLECULAR TOOLS APPLIED TO FAUNISTIC ANALYSIS) • Entomologia (ENTOMOLOGY) • Biologia vegetale applicata (Salute, Alimentazione e ambiente) (PLANT BIOLOGY APPLIED TO HEALTHY NUTRITION AND THE ENVIRONMENT) • Analisi chimica strumentale (ANALYTICAL CHEMISTRY) • Ecotossicologia Applicata (APPLIED ECOTOXICOLOGY) • Paleontologia (PALEONTOLOGY) • Didattica della biologia (Modulo 1, Modulo 2 e Modulo 3) Secondo semestre (DIDACTICS OF BIOLOGY)	Link to course information Link to course information Link to course information Link to course information Link to course information Link to course information	BIO/06 BIO/05 BIO/03 CHIM/02 MED/42 GEO/01 BIO/02 BIO/05 BIO/07	6 6 6 6 6 6 2 2 2	42 42 42 42 42 42 14 14 14	
Igiene Ambientale (ENVIRONMENTAL HYGIEN)	Link to course information	MED/42	6	35	12
<i>Student-selected activities</i>			12		
Second semester					
Internship	Internship		3	75	
Stage	Stage		3	75	
Master thesis			27		