



DEGREE PROGRAM ACADEMIC YEAR 2025/2026						
CLASS L-13 R - BIOLOGICAL SCIENCES (D.M. 270/04)						
Degree Course: BIOLOGICAL SCIENCES						
CURRICULUM BIOMOLECULAR						
	SUBJECT	Tipologia	SETTORE		Tot. CFU	Tot. Ore
FIRST YEAR						
1	MATHEMATICS AND STATISTICS	Base	MAT/05		9	72
2	PHYSICS	Base	FIS/07		8	64
3	CYTOLOGY AND HISTOLOGY	Base	BIO/06		7	56
4	ZOOLOGY	Base	BIO/05		7	56
5	BOTANY	Base	BIO/01		7	56
6	GENERAL CHEMISTRY	Base	CHIM/03		8	64
7	ORGANIC CHEMISTRY	Base	CHIM/06		7	56
	ENGLISH	LS			4	/
			Total CFU		57	
SECOND YEAR (to be activated 2026/2027)						
8	LABORATORY OF APPLIED BIOLOGY	Aff.	BIO/13		6	48
9	BIOCHEMISTRY	Caratt.	BIO/10		7	56
10	ECOLOGY	Caratt.	BIO/07		7	56
11	INTEGRATED COURSE: GENERAL PHYSIOLOGY-BIOLOGICAL BASIS OF NUTRITION				12	96
	> GENERAL PHYSIOLOGY	Caratt.	BIO/09	6		
	> BIOLOGICAL BASIS OF NUTRITION	Aff.	BIO/16	6		
12	HUMAN ANATOMY	Caratt.	BIO/16		6	48
13	INTEGRATED COURSE: MOLECULAR BIOLOGY AND GENETICS					
	> MOLECULAR BIOLOGY	Caratt.	BIO/11	6	12	96
	> GENETICS	Caratt.	BIO/18	6		
14	CELL BIOLOGY	Aff.	BIO/06		7	56
	ELECTIVE CREDITS *				6	
			Total CFU		63	
THIRD YEAR (to be activated 2027/2028)						
15	DEVELOPMENTAL BIOLOGY	Caratt.	BIO/06		7	56
16	PLANT PHYSIOLOGY	Caratt.	BIO/04		6	48
17	COMPARATIVE ANATOMY	Caratt.	BIO/06		7	56
18	GENERAL MICROBIOLOGY	Caratt.	BIO/19		7	56
19	INTEGRATED COURSE: BIOMOLECULAR LABORATORY					
	> LABORATORY OF MOLECULAR BIOLOGY	Caratt.	BIO/11	5	10	80
	> LABORATORY OF GENETICS	Aff.	BIO/18	5		
	2 MODULES TO CHOOSE BETWEEN:				6	
	DATA MANAGEMENT	Altre	INF/01	3		
	ELEMENTS OF LEGISLATION AND QUALITY MANAGEMENT SYSTEMS***	Altre	BIO/19	3		
	START-UP CREATION AND BUSINESS PLAN	Altre	ING-IND/26	3		
	BIOMEDICAL LABORATORY SAFETY***	Altre	MED/44	3		
	ELECTIVE CREDITS*				6	/
	PRACTICAL TRAINING				5	/
	FINAL EXAM				6	/
			Total CFU		60	
20	COURSES FOR ELECTIVE CREDITS *					
	PHARMACOLOGY **	D	BIO/14		6	48
	BIOETHICS **	D	IUS/20		6	48
	INSTRUMENTAL ANALYTICAL CHEMISTRY	D	CHIM/01		6	48
	ETOLOGY	D	BIO/05		6	48
	PALEONTOLOGY	D	GEO/01		6	48
	FUNDAMENTALS OF HEART SCIENCES (eng)	D	GEO/02		6	48

The courses for credits to be chosen are valid for both curricula

* At least 6 CFU must be acquired attending one of the following optional courses

** to be inserted in the career of students that didn't submit an individual study plan

> Bioethics - second year

> Pharmacology - third year

> Elements of legislation and quality management systems - >Biomedical Laboratory Safety

a) 1 credit= 8 hours. Together with the theoretical lectures, all courses must have at least 1 credit of experimental session

b) to take the third year examinations students have to have passed the English Language test

c) combined courses involve various courses with only one final examination



DEGREE PROGRAM ACADEMIC YEAR 2025/2026					
CLASS L-13 R - BIOLOGICAL SCIENCES (D.M. 270/04)					
Degree Course: BIOLOGICAL SCIENCES					
CURRICULUM MARINE					
SUBJECT	Tipologia	SETTORE		Tot. CFU	Tot. Ore
FIRST YEAR					
1 MATHEMATICS AND STATISTICS	Base	MAT/05		9	72
2 PHYSICS	Base	FIS/07		8	64
3 CYTOLOGY AND HISTOLOGY	Base	BIO/06		7	56
4 ZOOLOGY	Base	BIO/05		7	56
5 BOTANY	Base	BIO/01		7	56
6 GENERAL CHEMISTRY	Base	CHIM/03		8	64
7 ORGANIC CHEMISTRY	Base	CHIM/06		7	56
ENGLISH	LS			4	/
		Total CFU		57	
SECOND YEAR (to be activated 2026/2027)					
8 LABORATORY OF APPLIED BIOLOGY	Aff.	BIO/13		6	48
9 BIOCHEMISTRY	Caratt.	BIO/10		7	56
10 ECOLOGY	Caratt.	BIO/07		7	56
11 GENERAL PHYSIOLOGY AND PHYSIOLOGY OF MARINE ANIMALS	Caratt.	BIO/09		10	80
12 MARINE GEOLOGY	Aff.	GEO/01		5	40
13 INTEGRATED COURSE: MOLECULAR BIOLOGY AND GENETICS					
> MOLECULAR BIOLOGY	Caratt.	BIO/11	6	12	96
> GENETICS	Caratt.	BIO/18	6		
14 MARINE BIOLOGY	Aff.	BIO/07		7	56
ELECTIVE CREDITS *				6	16
		Total CFU		60	
THIRD YEAR (to be activated 2027/2028)					
15 DEVELOPMENTAL BIOLOGY	Caratt.	BIO/06		7	56
16 PLANT PHYSIOLOGY	Caratt.	BIO/04		6	48
17 COMPARATIVE ANATOMY	Caratt.	BIO/06		7	56
18 GENERAL MICROBIOLOGY AND MARINE MICROBIOLOGY	Caratt.	BIO/19		10	80
19 COMBINED COURSE: BIODIVERSITY OF MARINE ORGANISMS					
> MARINE ANIMAL BIODIVERSITY	Caratt.	BIO/05	5	10	80
> BIODIVERSITY OF ALGAE AND MARINE PLANTS	Aff.	BIO/01	5		
2 MODULES TO CHOOSE BETWEEN:				6	
DATA MANAGEMENT	Altre	INF/01	3		
ELEMENTS OF LEGISLATION AND QUALITY MANAGEMENT	Altre	BIO/19	3		
START-UP CREATION AND BUSINESS PLAN	Altre	ING-IND/26	3		
BIOMEDICAL LABORATORY SAFETY***	Altre	MED/44	3		
ELECTIVE CREDITS*				6	/
PRACTICAL TRAINING				5	/
FINAL EXAM				6	/
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20 COURSES FOR ELECTIVE CREDITS *					
PHARMACOLOGY	D	BIO/14		6	48
BIOETHICS **	D	IUS/20		6	48
INSTRUMENTAL ANALYTICAL CHEMISTRY	D	CHIM/01		6	48
ETOLOGY **	D	BIO/05		6	48
PALEONTOLOGY	D	GEO/01		6	48
FUNDAMENTALS OF EARTH SCIENCES (eng)	D	GEO/02		6	48

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c) combined courses involve various courses with only one final examination