

UNIVERSITA' POLITECNICA DELLE MARCHE

Dipartimento di Scienze della Vita e dell'Ambiente

DISVA

	DEGREE PROGRAM ACADEI	VIIC YFAR 2	2025/2026						
	CLASS L-13 R - BIOLOGICAL SO		•						
	Degree Course: BIOLO								
	CURRICULUM BIOMOLECULAR								
	SUBJECT	Tipologia	SETTORE		Tot. CFU	Tot. Ore			
	FIRST YEAR	Tipologia	JETTORE		101. 010	101.010			
1	MATHEMATICS AND STATISTICS	Base	MAT/05		9	72			
	PHYSICS	Base	FIS/07		8	64			
	CYTOLOGY AND HISTOLOGY	Base	BIO/06		7	56			
	ZOOLOGY	Base	BIO/05		7	56			
	BOTANY	Base	BIO/01		7	56			
_	GENERAL CHEMISTRY	Base	CHIM/03		8	64			
	ORGANIC CHEMISTRY	Base	CHIM/06		7	56			
	ENGLISH	LS	CHINI/OU		4	/			
	ENGLISH	L3	Total CFU		57	/			
	CECOND VEAD (to be estimated 2020/2027)		Total CFU		5/				
_	SECOND YEAR (to be activated 2026/2027)	Vtt	DIC /42			40			
	LABORATORY OF APPLIED BIOLOGY	Aff.	BIO/13		6	48			
	BIOCHEMISTRY	Caratt.	BIO/10		7	56			
10	ECOLOGY	Caratt.	BIO/07		7	56			
	INTEGRATED COURSE: GENERAL PHYSIOLOGY-BIOLOGICAL BASIS OF								
11	NUTRITION CENTERAL BUYGOLOGY	6	DIC '00	<u> </u>	12	96			
	> GENERAL PHYSIOLOGY	Caratt.	BIO/09	6					
	> BIOLOGICAL BASIS OF NUTRITION	Aff.	BIO/16	6					
12	HUMAN ANATOMY	Caratt.	BIO/16		6	48			
	INTEGRATED COURSE: MOLECULAR BIOLOGY AND GENETICS								
13	> 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)				_				
	DEVELOPMENTAL BIOLOGY	Caratt.	BIO/06		7	56			
	PLANT PHYSIOLOGY	Caratt.	BIO/04		6	48			
	COMPARATIVE ANATOMY	Caratt.	BIO/06		7	56			
18	GENERAL MICROBIOLOGY	Caratt.	BIO/19		7	56			
10	INTEGRATED COURSE: BIOMOLECULAR LABORATORY	Counth	DIO /11	-					
19	> LABORATORY OF MOLECULAR BIOLOGY	Caratt. Aff.	BIO/11	5 5	10	80			
	> LABORATORY OF GENETICS 2 MODULES TO CHOOSE BETWEEN:	AII.	BIO/18	5	6				
	DATA MANAGEMENT	Altre	INF/01	3	0				
	ELEMENTS OF LEGISLATION AND QUALITY MANAGEMENT	Aitte	IINI"/UI	3					
		Altre	BIO/19	3					
	SYSTEMS*** START-UP CREATION AND BUSINESS PLAN	Altre	ING-IND/26	3					
	BIOMEDICAL LABORATORY SAFETY***	Altre	MED/44	3					
	ELECTIVE CREDITS*	Aitte	IVILD/44	3	6	1			
	PRACTICAL TRAINING				5	1			
	FINAL EXAM	 		1	6	/			
	THE WAR	 	Total CFU	1	60	,			
20	COURSES FOR ELECTIVE CREDITS *								
	PHARMACOLOGY **	D	BIO/14		6	48			
	BIOETHICS **	D	IUS/20		6	48			
	INSTRUMENTAL ANALYTICAL CHEMISTRY	D	CHIM/01	1	6	48			
	ETOLOGY	D	BIO/05		6	48			
	PALEONTOLOGY	D	GEO/01		6	48			
	FUNDAMENTALS OF HEART SCIENCES (eng)	D	GEO/01 GEO/02		6	48			
	I OMPAINITHES OF LEWL SCIENCES (GIR)	l D	GEU/UZ	1	0	40			

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



UNIVERSITA' POLITECNICA DELLE MARCHE

Dipartimento di Scienze della Vita e dell'Ambiente DISVA

	DEGREE PROGRAM ACAD								
	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			
	PHYSICS	Base	FIS/07		8	64			
	CYTOLOGY AND HISTOLOGY	Base	BIO/06		7	56			
4	ZOOLOGY	Base	BIO/05		7	56			
_	BOTANY GENERAL CHEMISTRY	Base	BIO/01		7	56			
		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			
	INTEGRATED COURSE: MOLECULAR BIOLOGY AND GENETICS								
13	> 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			
			T-4-LCELL						
			Total CFU		60				
	THIRD YEAR (to be activated 2027/2028)				_				
	DEVELOPMENTAL BIOLOGY	Caratt.	BIO/06		7	56			
	PLANT PHYSIOLOGY	Caratt.	BIO/04		6	48			
	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	Comett	DIO /OF	-	10				
	> MARINE ANIMAL BIODIVERSITY	Caratt.	BIO/05	5	10	80			
	> BIODIVERSITY OF ALGAE AND MARINE PLANTS	Aff.	BIO/01	5					
	2 MODULES TO CHOOSE BETWEEN: DATA MANAGEMENT	Altera	INIT /O1	-	6				
	ELEMENTS OF LEGISLATION AND QUALITY MANAGEMENT	Altre Altre	INF/01 BIO/19	3	+				
	START-UP CREATION AND BUSINESS PLAN	Altre	ING-IND/26	3					
	BIOMEDICAL LABORATORY SAFETY***	Altre	MED/44	3					
	ELECTIVE CREDITS*	Aitie	IVILD/44	3	6	,			
	PRACTICAL TRAINING				5	- /			
	FINAL EXAM				6	'			
	FINAL EXAM				63				
				1	- 33				
20	COURSES FOR ELECTIVE CREDITS *			1	 				
	PHARMACOLOGY	D	BIO/14		6	48			
	BIOETHICS **	D	IUS/20	1	6	48			
				1					
	INSTRUMENTAL ANALYTICAL CHEMISTRY	1)	(HIIV///III		.				
	INSTRUMENTAL ANALYTICAL CHEMISTRY ETOLOGY **	D D	CHIM/01		6	48			
	INSTRUMENTAL ANALYTICAL CHEMISTRY ETOLOGY ** PALEONTOLOGY	D D	BIO/05 GEO/01		6	48 48 48			

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

- > Bioethics second year
- > Etology 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

^{*} 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