Department of Chemical, Physical, Mathematical and Natural Sciences

Academic Year 2025-2026

Master Degree in

ENVIRONMENTAL CONSERVATION, RESTORATION AND SUSTAINABILITY

(Italian class LM-75)

The Master's Degree in Environmental Conservation, Restoration and Sustainability (ECRS) aims to train the figure of the Naturalist expert in conservation, restoration and environmental sustainability, a master's graduate with multidisciplinary skills, able to carry out and coordinate research activities that deal with the protection of natural systems and the recovery of degraded ones, designing conservation interventions that respect the principles of sustainability. It is divided into two curriculum: the Marine, taught in English, and the Terrestrial, taught in Italian. In both, the characteristics and problems related to the protection of natural systems and the recovery of degraded ones are addressed, designing conservation interventions that respect the principles of sustainability. Teaching activities include lectures, seminars, exercises, laboratories and field activities.
The career opportunities of the ECRS graduate can be found in various fields: public bodies responsible for land control; natural heritage management bodies; private professional firms, companies and consortia engaged in activities related to the analysis and evaluation of natural resources, reconstitution and restoration works, assessment of environmental impact and incidence, monitoring of natural and environmental resources, eco-balance, environmental certification; university departments or other public and private research institutions; structures that take care of teaching and dissemination of scientific culture; public and private schools. The ECRS graduate can access the state exam of the professional orders of Biologist, Geologist, Agronomist and Landscape Architect to carry out freelance professional activities.

Requirements
Admission to the Master Degree in Environmental Conservation, Restoration and Sustainability (ECRS) is subject to possession of a three-year bachelor degree or a three-year university diploma, or another qualification obtained abroad (recognized) at the condition they have acquired at least 42 CFU in scientific disciplinary sectors of the following areas:
- MAT, FIS, CHIM, SECS-S, INF (at least 18 CFU) - BIO, AGR, ICAR, GEO (at least 24 CFU)
A knowledge of the English language at level B1 is also required, proven by a university course, a certification or verified through an interview.

Interview for admission
Students who meet the admission requirements must take an orientation interview with the teaching commission of the Degree Course. To access the interview, it is necessary to fill out a pre-registration application (opting for one of the two paths), following the instructions indicated on the University web page www.uniss.it and through the "Self studenti uniss" portal following the "Admission competitions" procedure.
Those who have not yet obtained the qualification at the time of pre-registration must indicate that the qualification required for access is "to be received". The pre-registration application can be submitted starting from the date established by the University. The admission interview will take place on September 29, 2025 at 9:30 am in mixed mode (at the Bionaturalistic Center in Via Piandanna 4, Sassari and on line using the Teams platform at the link that will be communicated to the student). Any subsequent dates for the admission interview will be published on the CdS website at the link: https://www.dcf.uniss.it/it/i-nostri-corsi/corsi-di-studio/environmental-conservation-restoration-and-sustainability-scopri-di. Graduates in L-32 at the University of Sassari are exempt from the interview.

Enrollment
Enrolment must be completed after the interview, according to the procedures established by the University (please see https://www.uniss.it/en/teaching/student-services/guide-studenti/enrollment).

Teaching activities
The calendar of teaching activities with the timetable of lectures will be published by September 30, 2025 on the website of the Course of Studies: https://www.dcf.uniss.it/it/i-nostri-corsi/corsi-di-studio/environmental-conservation-restoration-and-sustainability-scopri-di.
Lectures are scheduled for October 1, 2025.

Traineeship
During the course, the student will have to complete an internship either in companies in the sector, local authorities, protected areas or in University laboratories. Traineeships abroad, in affiliated institutions and laboratories, are encouraged as part of international mobility programs. Internship credits can also be acquired by attending advanced English language courses and summer courses, masters, seminars, conferences, etc., relating to relevant topics held at the University of Sassari or another recognized university or structure, national or foreign, if previously authorized by the Degree Course Council and documented with appropriate certifications.

Final exam

The final exam consists in the writing of an original thesis of an experimental nature under the supervision of a professor and in its public discussion in front of the Master's Degree Commission. The thesis can be written in Italian or English, at the student's discretion.

National and International mobility
Students are encouraged to undertake training experiences in Italy and abroad through the mobility programmes: Erasmus Italiano, Erasmus+ SMS for study abroad (EU area), Erasmus+ SMT for internship abroad (EU area), Ulisse for study and internship abroad in non-EU areas (https://www.dcf.uniss.it/it/internazionale).

Disabilities

A specific advisor will support all needs.

Curriculum Marine (taught in english)- year I (a.a. 2025/2026)

AF Type	Disciplinary Sector (SSD)	COURSE or ACTIVITY	Total ECTS	ECTS		
				Lectures	Class practical activity	Field/Lab practical activity
First semester						
B	GEO/02	**Sedimentology and Carbon Sink**	**6**	5		1
		or				
	GEO/03	**Rischio Geologico**	**6**	5		1
		CI: Marine Conservation Biology	**14**			
B	BIO/07	Mod I: Global Change Marine Ecology	8	6		2
B	BIO/18	Mod II: Conservation Genetics of Marine Fauna	6	5		1
C	ICAR/06	**Marine Geomatics**	**6**	3	2	1
Second semester						
C	BIO/03	**Spatial Ecology: GIS and Remote Sensing Applications**	**7**	3	2	2
B	BIO/05	**Fish and Fisheries**	**6**	3	3	
		or				
	BIO/05	**Conservazione e Gestione della fauna**	**6**	4		2
B	BIO/07	**Marine Protection Monitoring and Restoration**	**6**	4	1	1
B	GEO/02	**Seabed mapping**	**6**	3	2	1
other activities						
D		**elective courses**				

Curriculum Marine - year II (a.a. 2026/2027)

AF Type	Disciplinary Sector (SSD)	COURSE or ACTIVITY	Total ECTS	ECTS		
				Lectures	Class practical activity	Field/Lab practical activity
First semester						
B	CHIM/02	**Energy and Environment**	**6**	4	1	1
		or				
	CHIM/02	**Modellistica ambientale**	**6**	4	2	
B	BIO/03	**Coastal Plant Diversity and Restoration**	**6**	4		2
B	AGR/01	**Sustainable Management of Marine Resources**	**6**	5		1
B	SECS-S/01	**Data analysis in R**	**6**	2	4	
other activities						
F		**Traineeship**	**8**			
D		**elective courses (since year I)**	**12**			
E		**Internship and thesis**	**25**			

Elective courses (a.a. 2025/2026)

AF Type	Disciplinary Sector (SSD)	COURSE or ACTIVITY	Total ECTS	ECTS		
				Lectures	Class practical activity	Field/Lab practical activity
First semester						
D	BIO/05	**Marine biodiversity of the Atlanto - Mediterranean Region**	**3**	3		
D	ICAR/06	**GeoAI for marine ecology**	**3**	1		2
D	CHIM/03	**Marine Chemistry**	**3**	3		
Second semester						
D	BIO/07	**Seagrass Restoration**	**3**	1	1	1
D	BIO/07	**Applied Marine Mammal Ecology**	**3**			3

1 ECTS = 8 hours of activity

AF type: A = base; B = characterizing; C = integrative; D = elective; E = thesis; F = other activity

Curriculum Terrestrial (taught in italian) – year I (a.a. 2025/2026)

AF Type	Disciplinary Sector (SSD)	COURSE or ACTIVITY	Total ECTS	ECTS		
				Lectures	Class practical activity	Field/Lab practical activity
Primo Semestre						
B	GEO/03	**Rischio geologico**	**6**	5		1
		oppure				
	GEO/02	**Sedimentology and Carbon Sink**	**6**	5		1
B	GEO/09	**Mineralogia Ambientale**	**8**	6	1	1
C	BIO/05	**Genetica della Conservazione della fauna**	**6**	4	1	1
B	BIO/02	**Monitoraggio e Restauro della Biodiversità vegetale**	**7**	3	2	2
Secondo Semestre						
B	BIO/05	**Conservazione e Gestione della Fauna**	6	4		2
		oppure				
	BIO/05	**Fish and Fisheries**	6	3	3	
		CI: Applicazioni GIS per l'ambiente	**14**			
B	AGR/14	Mod I: Ripristino del Suolo con applicazioni GIS	6	4	2	
B	BIO/03	Mod II: GIS e Telerilevamento per l'Analisi del Paesaggio Vegetale	8	3	2	3
B	BIO/07	**Ecologia e Gestione Sostenibile delle Risorse Idriche**	**6**	4	1	1
Altre Attività						
D		**Attività a scelta dello Studente**				

Curriculum Terrestre – year II (a.a. 2026/2027)

AF Type	Disciplinary Sector (SSD)	COURSE or ACTIVITY	Total ECTS	ECTS		
				Lectures	Class practical activity	Field/Lab practical activity
Primo Semestre						
B	CHIM/02	**Modellistica Ambientale**	**6**	**4**	**2**	
		Oppure				
	CHIM/02	**Energy and Environment**	**6**	**4**	**1**	**1**
C		**Inglese**	**4**	**2**	**2**	
C	AGR/13	**Elementi tossici del Suolo e Tecniche di Recupero**	**6**	**4**	**1**	**1**
B	SECS-S/01	**Fondamenti di R per Analisi di Dati**	**6**	**2**	**4**	
Altre Attività						
F		**Tirocinio**	**8**			
D		**Attività a scelta dello Studente**	**12**			
E		**Prova Finale**	**25**			

Elective courses (a.a. 2025/2026)

AF Type	Disciplinary Sector (SSD)	COURSE or ACTIVITY	Total ECTS	ECTS		
				Lectures	Class practical activity	Field/Lab practical activity
Primo Semestre						
Secondo Semestre						
D	GEO/07	**Laboratorio di petrografia 2**	**3**			3
D	GEO/03	**Laboratorio di Geoinformatica**	**3**	1		2

1 ECTS = 8 hours of activity
AF type: A = base; B = characterizing; C = integrative; D = elective; E = thesis; F = other activity