

# Department of Chemical, Physical, Mathematical and Natural Sciences

Academic Year 2026-2027

## Bachelor Degree in NATURAL SCIENCES

(Italian class L-32)

The Degree Program aims to train graduates with multidisciplinary skills based on a solid understanding of scientific disciplines and techniques for analyzing natural and semi-natural systems. Graduates will be able to identify and classify plants, animals, minerals, and rocks, understand the relationships between the biotic and abiotic components of ecosystems, and assess the effects of human activities on them. The program is structured to develop specific skills in the various fields of Natural Sciences, building on a solid foundation of knowledge. Teaching includes lectures, exercises, laboratories, fieldwork, seminars, and experimental activities. The primary career opportunities for graduates in Natural Sciences are in the following fields: public bodies responsible for land management; natural heritage management bodies (parks, protected areas, nature reserves); private professional firms; university departments or other public and private research institutions engaged in natural science research; public and private organizations responsible for teaching and disseminating scientific culture. Graduates in Natural Sciences can access the state exam of the professional orders of graduate agricultural technicians, junior biologists, graduate agricultural experts, and junior landscape planners to pursue professional activities.

### **Requirements and enrollment**

Admission is open to students have a high school diploma or another equivalent qualification obtained abroad.

For details on the University's enrollment deadlines and procedures (which can only be completed online), please visit [www.uniss.it](http://www.uniss.it) and register on the "self-studenti uniss" portal.

### **Initial Assessment (Determination of eventual Additional Learning Requirements)**

Enrolled students will be given a Mathematics test on October 14th at 3:00 p.m. (Aula Magna A, Via Vienna 2, Sassari) based on the prerequisites indicated in the Mathematics syllabus. Students who, based on the test results, are assigned Additional Learning Requirements (OFA) will be supported by a Mathematics tutor.

The Additional Learning Requirements will be considered fulfilled upon passing the Mathematics exam.

### **Teaching Activities**

The calendar of teaching activities with the timetable of lectures will be published by September 30, 2026 on the website of the Course of Studies website: <https://www.dcf.uniss.it/it/i-nostri-corsi/corsi-di-studio/scienze-naturali-scopri-di-piu>. Classes will be held at Via Vienna 2, and classes are scheduled to begin on October 1, 2026.

### **Study plan Structure**

The study plan is structured to develop specific skills in the various fields of Natural Sciences. Specifically, the first year covers most of the core subjects, introducing biology and earth sciences. Computer skills are also introduced. In the second year, in addition to completing the core subjects, ample emphasis is placed on core subjects, particularly biology, ecology, and earth sciences; English language skills are also introduced. In the third year, to complete the curriculum, related and complementary subjects are also included. Elective exams allow students to personalize their curriculum.

Attendance is not mandatory, but it is recommended.

### **Traineeship (8 ECTS = 200 hours)**

Starting in the second year of the program, after earning at least 80 ECTS, students may undertake a traineeship at the University or at affiliated external public or private institutions. Students undertaking their traineeship as part of international mobility programs are exempt from this requirement due to the required bureaucratic deadlines.

### **Elective courses (15 ECTS TAF D)**

For the 2026-2027 academic year, the following courses are activated:

First semester: Biodiversità Vegetale Insulare (BIOS-01/C), Georisorse (GEOS-01/D), Ecoacustica (BIOS-05/A)

Second semester: Laboratorio di Petrografia 1 (GEOS-01/B) e Biologia della pesca ricreativa (BIOS-03/A).

Students can also take elective exams by including courses offered by the University in their study plan.

### **Final Exam**

The final exam consists of a presentation of the experience gained during the traineeship. The candidate must prepare a short essay in Italian or English on the activities undertaken, which must be approved by the supervisor. The presentation takes the form of an oral interview during which the candidate must answer specific questions posed by the examining committee. For further information, visit <https://www.dcf.uniss.it/it/i-nostri-corsi/corsi-di-studio/scienze-naturali-scopri-di-piu/modulistica-e-regolamenti>

### **International Mobility**

Students are encouraged to undertake an international learning experience through the International Mobility Programs: Erasmus+ SMS for study abroad (EU area), Erasmus+ SMT for traineeships abroad (EU area), Ulisse for study and traineeships abroad outside the EU ([http://scienzenaturali.uniss.it/erasmus\\_mob.html](http://scienzenaturali.uniss.it/erasmus_mob.html)).

### **Disabilities**

A specific advisor will support all needs.

**Year I (a.a. 2026/2027)**

AF Type	Disciplinary sector	COURSE or ACTIVITY	ECTS	ECTS		
				lectures	Class practical activities	Field/Lab practical activity
<b>First Semester</b>						
A	MATH-03/A	Matematica	9	7	2	
A	BIOS-03/A	Zoologia Generale	10	9		1
B	BIOS-01/B	Biologia Vegetale	10	6		4
<b>Second Semester</b>						
A	CHEM-03/A	Chimica Generale e Inorganica	6	5		1
B	GEOS-02/C	Rilevamento Geologico e Geomorfologico	9	3	3	3
B	BIOS-14/A	Genetica	6	5	1	
B	BIOS-03/A	Zoologia dei vertebrati	7	6		1
<b>Other activities</b>						
F		Abilità informatiche	4			
		or Ulteriori abilità linguistiche (*)	4			

**Year II (a.a. 2027/2028)**

AF Type	Disciplinary sector	COURSE or ACTIVITY	ECTS	ECTS		
				lectures	Class practical activities	Field/Lab practical activity
<b>First Semester</b>						
B	BIOS-03/A	Zoologia degli invertebrati	10	8	1	1
B	GEOS-01/B	Petrografia e Mineralogia	10	8	1	1
B	CHEM-05/A	Chimica organica	6	5		1
<b>Second Semester</b>						
A	PHYS-06/A	Fisica	6	5	1	
B	BIOS-01/B	Botanica Sistematica	8	5		3
B	BIOS-01/C	Ecologia vegetale	6	4	1	1
E		Inglese	4	1	3	
<b>Other activities</b>						
D		A scelta dello studente (**)				

Year III (a.a. 2028/2029)

AF Type	Disciplinary sector	COURSE or ACTIVITY	ECTS	ECTS		
				lectures	Class practical activities	Field/Lab practical activity
<b>First Semester</b>						
B	GEOS-02/C	<b>Geologia</b>	<b>10</b>	7	1	2
C	BIOS-15/A	<b>Biochimica</b>	<b>6</b>	5		1
C	AGRI-01/A	<b>Economia e Gestione dell’Ambiente e delle Risorse Naturali</b>	<b>6</b>	4	2	
		or				
C	BIOS-15/A	<b>Microbiologia</b>	<b>6</b>	4		2
<b>Second Semester</b>						
B	AGRI-06/C	<b>Pedologia</b>	<b>6</b>	5		1
		<b>CI: Ecologia e cambiamenti climatici</b>	<b>12</b>			
		-modulo <b>Ecologia</b>	<b>6</b>	6		
B/C	BIOS-05/A	-modulo <b>Cambiamenti climatici</b>	<b>6</b>	4		2
<b>Other activities</b>						
D		<b>A scelta dello studente (**)</b>	<b>15</b>			
F		<b>Tirocinio</b>	<b>8</b>			
E		<b>Prova finale</b>	<b>6</b>			

1 CFU (Lecture, E.g., Classroom, Lab/Field) = 8 hours of supervised activities, with the exception of 1 CFU for English Language Skills, which corresponds to 12.5 hours of supervised activities.

AF type corresponds to the type of Educational Activity: A = base; B = characterizing; C = integrative; D = elective; E = thesis; F = other activity

The **4 ECTS of English** can be obtained by attending the English language course and passing the relevant exam or by validating suitable certifications relating to knowledge of the English language at level B1 or higher, according to the ESOL CAMBRIDGE classification scale or equivalent.

\* The **4 ECTS in Computer Skills** (Abilità informatiche) can be earned through the validation of suitable certifications relating to computer skills. Alternatively, the credits can be acquired through a traineeship (100 hours = 4 credits) or through the recognition of language certifications. The 4 credits in Additional Language Skills can be earned through the recognition of language certifications for English at level C/1 or higher, and for other EU languages at level B/1 or higher.

\*\* **Elective courses** (Attività a Scelta dello studente): 15 ECTS in total. Students should add the courses using WEB self.studenti from January 1<sup>st</sup> to February 28<sup>th</sup> and from the 1<sup>st</sup> of September to the 31<sup>st</sup> of October.