Academic Regulations of the Master's Degree Programme in Environmental Engineering Class LM-35 – Rome Campus A.Y. 2025–26

Official degree program website available at:
https://corsidilaurea.uniroma1.it/

Years currently offered: First and Second

The Teaching Regulations of the degree program consist of two sections:

1) **Educational offer**
   This section provides a summary of the Degree Program, its specific objectives, the study path, and the Course Catalogue.
2) **General Rules**
   This section outlines the regulatory framework of the educational offer and presents the general rules for the management of students' academic careers.

SECTION 1 – STUDY PROGRAMME

Programme Overview

The Master's Degree in Environmental Engineering aims to train highly qualified professionals equipped with advanced engineering skills to address the most pressing environmental challenges. Graduates will be able to design, plan, and manage works, interventions, processes, structures, infrastructures, and complex systems, both independently and in teams, operating in the following areas:

- Sustainable waste management and reduction of pollutant emissions.
- Design and planning of sustainable interventions for the protection and development of the territory.
- Environmental risk management: prevention and mitigation of natural and anthropogenic hazards, such as hydrogeological risk, seismic risk, and pollution phenomena.
- Management of natural resources: sustainable use and conservation of water, energy, and material resources.
- Remediation of contaminated sites and treatment of environmental matrices.
- Improvement of infrastructures, optimization and enhancement of the functional and environmental performance of structures, plants, and service networks.
- Climate change adaptation and mitigation: quantitative assessment of processes and planning of strategies and intervention plans.

At the end of the program, students will be able to analyze problems, develop decision-making models, and design interventions in the fields of civil and environmental engineering, using interdisciplinary approaches and innovative technologies.

The Master's Degree in Environmental Engineering (LM-35) is offered by the Department of Civil, Building and Environmental Engineering under the responsibility of the Degree Program Council (CAD) in Environmental Engineering. The program lasts two years and requires the acquisition of 120 ECTS credits.

The curriculum is aimed at graduates with a solid background in basic sciences and is structured into three distinct study tracks:

- Climate Change Adaptation and Mitigation (taught in English)
- Tutela dell'Ambiente (Environmental Protection) taught in Italian
- Protezione del Territorio (Land Protection) taught in Italian

Students will acquire specific technical skills in the fields of prevention, control, and regulation of anthropogenic processes, water resource management, environmental remediation, land protection, and soil defense.

The program is accredited with the EUR-ACE® quality label, which certifies its compliance with European standards.

Teaching activities are held at the historic San Pietro in Vincoli campus, equipped with advanced multimedia facilities, scientific laboratories, computer rooms, and libraries. Students can also benefit from internships at public and private institutions and participate in international mobility programs (Erasmus+).

Admission requires verification of curricular requirements and personal preparation, including knowledge of a foreign language, as specified in the official admission call.
Graduates will find professional opportunities in innovation, advanced project development, and management of civil and environmental engineering works, working in public or private organizations such as manufacturing companies, service and consulting firms, administrative institutions (local, national, or international), regulatory authorities, research bodies, and professional firms. They may also pursue further studies through PhD programs or specialized Master's degrees.
To practice as a professional engineer in Italy, graduates must pass the State Examination for professional qualification and subsequently register with the Professional Order of Engineers in the civil and environmental sector. Passing the State Examination qualifies graduates to practice as senior engineers (Section A of the Register).

All information regarding the degree program, including admission details, is available on the official degree program website for the current academic year, accessible at:
https://corsidilaurea.uniroma1.it/

Specific Learning Objectives

The Master's Degree in Environmental Engineering aims to train highly qualified professionals capable of addressing and solving the most complex and urgent environmental and territorial challenges. Graduates will acquire advanced skills enabling them to design, manage, and evaluate interventions, works, and complex systems, with an approach oriented toward sustainability and innovation.
The main goal is to prepare high-level technical experts able to analyze problems, develop decision-support models, plan and design actions and interventions of environmental and territorial relevance, using modern and innovative methods, techniques, and tools typically of an interdisciplinary nature.
The specific learning objectives of the program include:

- Development of advanced technical skills: Graduates will be able to use advanced methods and tools for engineering analysis and design to describe, interpret, and solve problems related to environmental and territorial management. These include waste management, reduction of pollutant emissions, land

protection and mitigation of natural and anthropogenic risks, as well as adaptation to and mitigation of the effects of climate change.

- Professional training oriented toward the labor market: The program prepares graduates to take on key roles in professional fields that require specific expertise in the sustainable management of natural resources, the design of sustainable infrastructures, and the mitigation of environmental impacts. Graduates will be ready to operate both independently and as part of a team, assuming responsibility for the entire project life cycle, from planning to implementation and management.
- Ability to integrate and manage interdisciplinary approaches: Graduates will develop a strong capacity to work in interdisciplinary contexts, combining technical knowledge with managerial and regulatory skills. They will be able to assess and manage environmental risks, design interventions for the remediation of contaminated sites, and promote the sustainable use of natural resources, with particular attention to water, energy, and material resources.
-

The main learning areas, in relation to the specific objectives of the Degree Program, are:

- Sustainable waste management and reduction of pollutant emissions.
- Design and plan sustainable interventions for the protection and development of the territory.
- Environmental risk management: prevention and mitigation of natural and anthropogenic hazards, such as hydrogeological and seismic risk, as well as pollution phenomena.
- Management of natural resources: sustainable use and conservation of water, energy, and material resources.
- Remediation of contaminated sites and treatment of environmental matrices.
- Infrastructure improvement: optimization and enhancement of the functional and environmental performance of structures, plants, and service networks.
- Climate change adaptation and mitigation: quantitative assessment of processes and planning of strategies and intervention measures.

Description of the study program

The study program is structured into 120 ECTS credits and is designed to provide advanced and specialized training that integrates compulsory, elective, and free-choice courses, in order to develop technical and methodological skills in the main fields of environmental and territorial engineering.

In the first year, a significant portion of the credits is dedicated to professional subjects that represent the traditional core competencies of environmental engineers, consolidating and expanding the knowledge acquired during the bachelor's degree through a combination of lectures and individual or group exercises. Subsequently, the program is organized into different areas of specialization, where students deepen their technical, technological, and managerial expertise, preparing them to operate effectively in the assessment, planning, design, implementation, management, and monitoring of processes and projects. Project-based activities, both specialized and multidisciplinary, enable students to face complex challenges such as corporate environmental management, remediation of contaminated sites, assessment and reduction of pollutant emissions, management of infrastructures and construction sites for strategic works, land protection, risk mitigation, emergency management, climate change adaptation, and territorial governance through effective environmental policies.

This structure ensures that students acquire comprehensive and integrated knowledge, allowing them to apply these skills in real and multidisciplinary contexts, and preparing them for a successful professional career in environmental engineering.

The program also offers various opportunities to enhance practical training and strengthen students' transferable skills. Among these opportunities are:

- Practical and numerical exercises, preparation of technical reports, design projects, or in-depth studies on specific topics.
- Laboratory activities: Students can participate in advanced laboratories, offering the opportunity to apply theoretical knowledge in experimental and practical settings, while developing concrete technical and methodological skills.
- Internships: Students have the possibility to undertake internships at public institutions, private companies, or international organizations, providing direct exposure to the professional world and the chance to apply the competencies acquired during the degree program.
- Enhancement of transferable skills: Students may also take part in courses and activities aimed at strengthening soft skills such as project management, effective communication, and teamwork.

The program offers a high degree of flexibility, allowing students to customize their study plan by choosing among different curricular options and elective courses. This approach enables them to deepen specific areas of interest or broaden their knowledge across different disciplines, ensuring a comprehensive and tailored education. One of the curricula is delivered entirely in English, with the aim of promoting the internationalization of the program. The study program is designed in accordance with European standards, ensuring that the learning objectives are fully aligned with the Dublin Descriptors.

Career opportunities and professional outcomes for graduates

raduates of the Master's Degree in Environmental Engineering can find employment in a wide range of public and private sectors, thanks to their advanced training.
The main career opportunities include:

- Engineering companies and professional firms: Environmental engineer, technical consultant, project manager, with expertise in environmental design and consulting, as well as the management of infrastructure and environmental projects.
- Public agencies and services: Environmental officer, sustainability manager, civil protection specialist, working in environmental protection, civil protection, land management, and environmental impact assessment.
- Manufacturing companies and service providers: Process engineer, environmental management officer, plant engineer, working in the management of technological networks, water and waste treatment, energy production, and waste disposal.
- Research and higher education: Researcher, university lecturer, or training expert, with positions in research institutes, universities, and training centers specializing in the sustainable planning and management of environmental risks.
- Freelance practice: Independent technical consultant or professional in the environmental sector.
- Public administration and regulatory authorities: Environmental planning specialist, area manager in public institutions, working in environmental planning, design, and management.

Upon passing the State Examination for professional qualification, graduates may register in Section A of the Professional Order of Engineers, in the civil and environmental sector. The degree also grants access to the qualification examination for the regulated professions of agronomist and forestry doctor.

Program structure and content

The study program is structured into three curricula (study tracks):
A – Climate Change Adaptation and Mitigation (taught in English)
B – Tutela dell'Ambiente (Environmental Protection) taught in Italian
C – Protezione del Territorio (Land Protection) taught in Italian

The study program is divided into two academic years.
The first year is dedicated to the fundamental training specific to each track, while the second year focuses on specialized courses, activities aimed at professional practice, and the preparation of the master's thesis.

The teaching methods and tools adopted to achieve the intended learning outcomes include lectures and classroom exercises, laboratory work and field experiences, project activities, technical visits, and seminars.
At least 60% of the total student workload is reserved for individual study or other self-directed learning activities. The study program is structured in semesters, in which the specific skills and competences are progressively developed, as described in detail in the following sections.

The structure of each study track is detailed in the Course Catalogue (Manifesto degli Studi).

Course Catalogue (Manifesto degli studi)

Curriculum A - "Climate Change Adaptation and Mitigation" – Taught in english
Compulsory courses

Course/Module	SSD	L	ECTS	T	Exam	Year	Semester
Urban Climate	ICAR/01	EN	9	B	T	1	1
Sustainable Development and Planning	ICAR/20	EN	9	B	T	1	1
Groundwater Management and Treatment	GEO/05 ICAR/03	EN	9	B	T	1	1
Hydraulic Risk Assessment and Mitigation	ICAR/02	EN	9	B	T	1	2
Greenhouse Gas accounting and reduction	ICAR/03	EN	6	B	T	1	2
Remote Sensing and Geo Big Data	ICAR/06	EN	9	B	T	1	2
Landslides and Slope Engineering	ICAR/07	EN	6	B	T	1	2
Environmental Geophysics	GEO/11	EN	9	B	T	2	1
Waste Management	ICAR/03	EN	9	B	T	2	1
Urban Mining and Recycling	ING-IND/29	EN	9	C	T	2	1
Renewable Energy	ING-IND/31	EN	6	C	T	2	2

Glossary

SSD: Scientific-disciplinary Sector, L (Course language of instruction): IT Italian, EN English. ECTS: European Credit Transfer and Accumulation System credits. T (Type of Activity): A Basic, B Core, C Related, D Elective, E Final examination, F Other Educational Activities (OEA). Exam: T Graded exam (out of 30); I Pass/fail assessment.

The 120 ECTS of the program are completed with 12 ECTS from elective courses, 3 ECTS from Other Activities Useful for Entering the Job Market (such as internships, laboratories, etc.), and 15 ECTS for the final examination (Master's thesis).

Curriculum B - "Tutela dell'Ambiente" (Environmental Protection)
Compulsory courses

Course/Module	SSD	L	ECTS	T	Exam	Year	Semester
Geofisica applicata all'Ingegneria	GEO/11	IT	9	B	T	1	1
Costruzioni Idrauliche per l'Ambiente e il Territorio	ICAR/02	IT	9	B	T	1	1
Bonifica, Ripristino e Riqualificazione dei Siti Contaminati	ICAR/03	IT	9	B	T	1	1
Idraulica Ambientale e Marittima	ICAR/01	IT	9	B	T	1	2
Pianificazione Territoriale	ICAR/20	IT	9	B	T	1	2
Fondamenti di Chimica Ambientale	CHIM/07	IT	6	C	T	1	2
Idrogeologia Applicata	GEO/05	IT	6	B	T	2	1
Geotecnica per l'Ambiente e il Territorio	ICAR/07	IT	9	B	T	2	1
Legislazione Ambientale	IUS/10	IT	6	C	T	1	1
Impianti di Trattamento delle Acque	ICAR/03	IT	9	B	T	2	2
Studio di Impatto Ambientale e Analisi di Rischio	ICAR/03	IT	9	B	T	2	2

Glossary

SSD: Scientific-disciplinary Sector, L (Course language of instruction): IT Italian, EN English. ECTS: European Credit Transfer and Accumulation System credits. T (Type of Activity): A Basic, B Core, C Related, D Elective, E Final examination, F Other Educational Activities (OEA). Exam: T Graded exam (out of 30); I Pass/fail assessment.

The 120 ECTS of the program are completed with 12 ECTS from elective courses, 3 ECTS from Other Activities Useful for Entering the Job Market (such as internships, laboratories, etc.), and 15 ECTS for the final examination (Master's thesis).

Curriculum C - "Protezione del Territorio" (Land Protection)

Compulsory courses

Course/Module	SSD	L	ECTS	T	Exam	Year	Semester
Geofisica Applicata all'Ingegneria	GEO/11	IT	9	B	T	1	1
Costruzioni Idrauliche per l'Ambiente e il Territorio	ICAR/02	IT	9	B	T	1	1
Bonifica, Ripristino e Riqualificazione dei Siti Contaminati	ICAR/03	IT	9	B	T	1	1
Idraulica Ambientale e Marittima	ICAR/01	IT	9	B	T	1	2
Pianificazione Territoriale	ICAR/20	IT	9	B	T	1	2
Tecnica delle Costruzioni	ICAR/09	IT	9	C	T	1	2
Idrogeologia Applicata	GEO/05	IT	6	B	T	2	1
Geotecnica per l'Ambiente e il Territorio	ICAR/07	IT	9	B	T	2	1
Meccanica delle Rocce	ICAR/07	IT	6	C	T	2	1
Hydraulic Risk Assessment and Mitigation	ICAR/02	EN	9	B	T	2	2
Rischio Geotecnico Sismico	ICAR/07	IT	6	B	T	2	2

Glossary

SSD: Scientific-disciplinary Sector, L (Course language of instruction): IT Italian, EN English. ECTS: European Credit Transfer and Accumulation System credits. T (Type of Activity): A Basic, B Core, C Related, D Elective, E Final examination, F Other Educational Activities (OEA). Exam: T Graded exam (out of 30); I Pass/fail assessment.

The 120 ECTS of the program are completed with 12 ECTS from elective courses, 3 ECTS from Other Activities Useful for Entering the Job Market (such as internships, laboratories, etc.), and 15 ECTS for the final examination (Master's thesis).

Elective courses

Course/Module	SSD	L	ECTS	T	Exam	Year	Semester
Sustainable Mobility	ICAR/05	EN	6	B	T	2	1
Geolocation and Navigation	ICAR/06	EN	6	B	T	2	1
Environmental Economics	ING-IND/35	EN	6	C	T	2	1
LCA and sustainable use of resources	GEO/09	EN	6	C	T	2	2
Modelling of Environmental Pollution	ICAR/01 ICAR/03	EN	6	B	T	2	2
Coastal Engineering	ICAR/02	EN	6	B	T	2	2
Policies and Actions for Climate Change Mitigation	ICAR/20	EN	6	B	T	2	2

Glossary

SSD: Scientific-disciplinary Sector, L (Course language of instruction): IT Italian, EN English. ECTS: European Credit Transfer and Accumulation System credits. T (Type of Activity): A Basic, B Core, C Related, D Elective, E Final examination, F Other Educational Activities (OEA). Exam: T Graded exam (out of 30); I Pass/fail assessment.

Note:

- The recommended elective courses include, for each study track, also courses from other tracks of the same degree program, provided that their syllabus does not overlap with the compulsory courses of the chosen track.
- If students select non-recommended elective courses, the Degree Program Council (CAD) must evaluate their consistency with the study plan, not only in terms of subject area but also with regard to the level of specialization.
- A curricular study plan may include up to 15 ECTS of free-choice courses (for a total of 123 ECTS).

Study plan submission

For the submission of the study plan through the online system (infostud), the courses are organized into groups of homogeneous activities. When completing the study plan, students may exercise different options depending on the chosen curriculum.

For each curriculum, the **compulsory courses are marked with an asterisk** within the groups of core or related activities (see previous section).

Curriculum A - "Climate Change Adaptation and Mitigation" – (taught in English)

Group of Compulsory Courses

Course/Module	SSD	L	ECTS	T	Exam	Year	Semester
Urban Climate	ICAR/01	EN	9	B	T	1	1
Sustainable Development and Planning	ICAR/20	EN	9	B	T	1	1
Groundwater Management and Treatment *Module 1* *Module 2*	-- GEO/05 ICAR/03	EN	9 (6) (3)	B B B	T	1	1
Hydraulic Risk Assessment and Mitigation	ICAR/02	EN	9	B	T	1	2
Remote Sensing and Geo Big Data	ICAR/06	EN	9	B	T	1	2
Landslides and Slope engineering	ICAR/07	EN	6	B	T	1	2
Environmental Geophysics	GEO/11	EN	9	B	T	2	1
Waste Management	ICAR/03	EN	9	B	T	2	1

Group of Related Courses – Select 2 courses for a total of 15 ECTS

Course/Module	SSD	L	ECTS	T	Exam	Year	Semester
Urban Mining and recycling*	ING-IND/29	EN	9	C	T	2	1
Environmental Economics	ING-IND/35	EN	6	C	T	2	1
LCA and sustainable use of resources	GEO/09	EN	6	C	T	2	2
Renewable Energy*	ING-IND/31	EN	6	C	T	2	2

Group of Core Courses – Select 1 course for a total of 6 ECTS

Course/Module	SSD	L	ECTS	T	Exam	Year	Semester
Greenhouse Gas accounting and reduction*	ICAR/03	EN	6	B	T	1	2
Sustainable Mobility	ICAR/05	EN	6	B	T	2	1
Geolocation and Navigation	ICAR/06	EN	6	B	T	2	1
Modelling of Environmental Pollution *Module 1* *Module 2*	-- ICAR/01 ICAR/03	EN	6 (3) (3)	B	T	2	2
Coastal Engineering	ICAR/02	EN	6	B	T	2	2
Policies and Actions for Climate Change Mitigation	ICAR/20	EN	6	B	T	2	2

Other Common Activities

Course/Module	SSD	L	ECTS	T	Exam	Year	Semester
Elective courses	--	--	12	D	T	2	1/2
Oter Educational Activities (stages, laboratory etc.)	--	--	3	F	I	2	1/2

MSc thesis	--	--	15	E	--	2	2

Glossary

SSD: Scientific-disciplinary Sector, L (Course language of instruction): IT Italian, EN English. ECTS: Crediti Formativi Universitari European Credit Transfer and Accumulation System credits. T (Type of Activity): A Basic, B Core, C Related, D Elective, E Final examination, F Other Educational Activities (OEA). Exam: T Graded exam (out of 30); I Pass/fail assessment.

Percorso didattico B - "Tutela dell'Ambiente"
Please refer to the official Italian version of the Academic Regulations.

Percorso didattico C - "Protezione del Territorio"
Please refer to the official Italian version of the Academic Regulations.

SECTION 2 – GENERAL REGULATIONS

Teaching methods

The teaching activities are conventional and organized on a semester basis. Courses include lectures, classroom exercises, laboratory work, and group projects, with a timetable designed to allow students sufficient time for individual study.

The standard duration of the degree program is four semesters, equivalent to two years. Students will be registered as “fuori corso” (out of course) if, at the end of the two academic years foreseen for the completion of the program, they have not yet passed all required exams or obtained the degree.

University Educational Credits (CFU) or ECTS credits (European Credit Transfer and Accumulation System)

A University Educational Credit (CFU) represents the amount of work required from students to achieve a specific learning outcome. Students earn CFU by passing examinations or receiving a pass/fail assessment, where applicable. In the system adopted by Italian and European universities, one CFU corresponds to 25 hours of student workload, divided between collective learning activities (such as lectures, exercises, and laboratory work) and individual study.

In accordance with Article 23 of the University Teaching Regulations, one CFU corresponds to 10 hours of lectures or 12 hours of laboratory or guided practical classes. The course descriptions available on the Sapienza website, in the “Course Catalogue – Attending” section, indicate the distribution of CFU and teaching hours among the different activities, together with prerequisites, learning objectives, and syllabi.

To obtain the degree, students must earn 120 CFU, equivalent to 3,000 total workload hours. At least 60% of this workload is reserved for individual study or other self-directed learning activities.

Entry requirements

In accordance with Article 8 of the University Student Regulations, enrollment in the Master’s Degree programs is subject to the possession of the curricular requirements established by the Teaching Regulations and to the assessment of personal preparation.Curricular requirements are deemed sufficient if the degree programme, university diploma or other recognised programme of studies recognised as suitable, obtained by applicants for access to the degree programme, includes a minimum number of 33 (thirty-three) credits (ECTS), or an equivalent course load, acquired in the subject area of the foundation subjects, as specified below:

- Mathematics, Probability and Statistics, Computer Science: Scientific-Disciplinary Sector (SSD) MATH-02/B, MATH-03/A, MATH-03/B, MATH-04/A, MATH-05/A, MATH-06/A, STAT-01/A, STAT-01/B, STAT-04/A, INFO-01/A, IINF-05/A (previously MAT/03,MAT/05, MAT/06, MAT/07, MAT/08, MAT/09, SECS-S/01, SECS-S/02; SECS-S/06,INF/01, ING-INF/05);
- Physics: SSD PHYS-01/A, PHYS-02/A, PHYS-05/B, PHYS-06/A (previously FIS/01, FIS/02, FIS/03, FIS/06; FIS/07);
- Chemistry: SSD CHEM-01/B, CHEM-03/A, CHEM-04/A, CHEM-05/A, CHEM-06/A, (previously CHIM/12, CHIM/03, CHIM/04, CHIM/06, CHIM/07).

A minimum of 40 (forty) ECTS, or equivalent course load, in the following subject areas is also required:

- Environmental engineering: SSD CHEM-01/B, GEOS-03/B, GEOS-04/B, CEAR-01/A, CEAR-01/B, CEAR-02/A, CEAR-04/A, CEAR-05/A, CEAR-06/A, ICHI-01/B, ICHI-02/A, ICHI-02/B, CEAR-02/B, CEAR-02/C, CEAR-02/D (previously: CHIM/12, GEO/05, GEO/11, ICAR/01, ICAR/02, ICAR/03, ICAR/06, ICAR/07, ICAR/08, ING-IND/24, ING-IND/25, ING-IND/27, ING-IND/28, ING-IND/29, ING-IND/30);
- Civil and environmental systems management engineering: SSD CEAR-03/A, CEAR- 03/B, CEAR-07/A, CEAR-

12/A, IEGE-01/A, IINF-04/A (previously: ICAR/04, ICAR/05, ICAR/09, ICAR/20, ING-IND/35, ING-INF/04);

- Civil, environmental and civil security and protection engineering: SSD IIND-06/B, IIND-07/A, IIND-07/B, IMAT-01/A, IIET-01/A, IIND-08/B (previously: ING-IND/09, ING-IND/10, ING-IND/11, ING-IND/22, ING-IND/31, ING-IND/33);
- Industrial engineering: SSD IIND-01/D, IIND-01/F, IIND-06/A, ICHI-01/C, IINF-05/A, IMIS-01/B (previously: ING-IND/04, ING-IND/06, ING-IND/08, ING-IND/26, ING-INF/05, ING-INF/07).

Curricular requirements are automatically satisfied if the student holds a degree in the L-7 class in Civil and Environmental Engineering, obtained at any Italian university. Other qualifications, obtained in Italy and abroad, may also be considered suitable, following assessment by the Degree Programme Board of the congruity of the study plan with that required for admission.

Furthermore, it is necessary to have a proven knowledge of the English language at a level not lower than B2 of the CEFR, by presenting a language certificate among those recognized by the Faculty of Civil and Industrial Engineering or having passed a B2 level language qualification in the three-year degree programme completed (or diploma deemed equivalent). Level B2 language proficiency can be verified by passing the special language tests prepared by the Faculty of Civil and Industrial Engineering for the purposes of enrolment in the master's degree programme.

Those who apply for admission to the degree programme must meet the curricular requirements in order to be able to access the academic knowledge test.

Only applicants who meet the curricular requirements may undergo the assessment of personal preparation.

Applicants from foreign universities must hold a Bachelor's degree (or equivalent qualification) with a Grade Point Average (GPA) of at least 80 out of 100.

For applicants from Italian universities, the assessment of personal preparation is based on the final grade of the Bachelor's degree, which must be equal to or higher than 85 out of 110.

Transfer of studies

In the case of a transfer from another university, from other faculties within Sapienza, or from a different degree program, the Degree Program Council (CAD) may recognize previously earned credits, normally up to the amount corresponding to the scientific-disciplinary sectors (SSD) provided in the Course Catalogue, and up to a maximum of 12 ECTS in SSDs not included in the Catalogue.

In accordance with the University Teaching Regulations, in the case of studies, examinations, and academic qualifications obtained abroad, the CAD evaluates the program on a case-by-case basis in order to assign credits within the corresponding scientific-disciplinary sectors.

Courses completed at European or foreign universities with which Sapienza has agreements, projects, and/or conventions in force are recognized according to the procedures set out in those agreements.

For the procedures relating to transfers and credit recognition, please refer to the University General Study Regulations.

Credit Recognition

The Degree Program Council (CAD) may recognize up to 12 ECTS credits for certified professional activities carried out in accordance with current regulations, as well as for knowledge and skills acquired in post-secondary educational activities in which the University has been involved in the design and implementation. The validation of credits will be assessed by the CAD Teaching Committee. These credits will normally count toward the 12 ECTS of elective courses or, if available, toward Other Educational Activities.

Former students who lost their enrollment status

In the event of loss of student status, the Degree Program Council (CAD) may decide on reinstatement under the

most recent curriculum, recognizing all or part of the credits previously earned. For the reinstatement procedure, please refer to the University General Study Regulations, available at:
https://www.uniroma1.it/it/pagina/regolamento-studenti

Study Plan

The Study Plan contains the complete list of examinations to be taken and indicates the academic year in which each course is scheduled. Starting from the first year, students must obtain the official approval of their Study Plan from the Degree Program Council (CAD) before they can register for and take examinations.
Submission must be carried out, beginning in the first year, normally between November 10 and April 10 of each academic year, through the student's personal page on the Infostud portal.
The Study Plan is subject to approval by the CAD, which evaluates its consistency with the expected learning objectives. Students may submit a new Study Plan for each academic year; otherwise, the last approved version remains valid. During the academic year, modifications to the Study Plan are allowed only in exceptional cases, upon a motivated request submitted to the President of the CAD no later than April 10.

Academic Calendar and Examination Schedule

The academic calendar and the examination schedule are established annually by the Faculty of Civil and Industrial Engineering (for details, see https://ici.web.uniroma1.it/it/calendario-didattico-aa-20252026).
The academic calendar consists of two teaching semesters, normally held during September–December and February–May of each academic year.
The examination schedule includes 5 ordinary sessions (normally in January–February, June–July, and September) and 2 extraordinary sessions (normally in October–November and March–April).
The detailed examination schedule for the various courses and educational activities is established annually by the Degree Program Council (CAD), based on criteria ensuring: adequate distribution of examination dates within the scheduled periods, appropriate time intervals between sittings of the same course/activity, and avoidance of overlaps between examinations of the same academic year, in accordance with Article 40 of the University Teaching Regulations.

Course Syllabi and Assessment Methods

The course syllabi and examination methods are available on the official Degree Program webpage, in the Course Catalogue under the "Attending" section.

Attendance

Attendance at courses is not compulsory but is strongly recommended. Specific attendance requirements apply only to Other Educational Activities, such as laboratories, internships, or other practical training activities. Such requirements are explicitly indicated for each of these activities.

Part time enrollment

Students enrolled in the degree program may opt for part-time enrollment, which entails an extension of the overall duration of the study program and the obligation to earn a reduced number of ECTS credits per year. The terms and conditions for requesting part-time enrollment, as well as the related regulations, are established by the University Teaching Regulations and can be consulted on the University website: http://www.uniroma1.it/didattica/regolamenti/part-time.

Early Examination Requests

Students who have passed all examinations except for one from the first year of the program may request to take up to two examinations from the following year in advance. The examinations for which early sitting is

requested may only be taken after completion of the current academic year.
The request must be submitted to the President of the Degree Program Council (CAD) in accordance with Art. 40, paragraph 16 of the Sapienza Student Regulations, available at:
https://www.uniroma1.it/it/pagina/regolamento-studenti
To take an examination early in the September session, the request must be submitted no later than July 31.

Course Programs and Teaching Materials

Teaching materials are generally available on the personal webpages of the faculty members of the Degree Program, accessible through the website of their home Department, as well as in the "Attending" section of the official degree program website (https://corsidilaurea.uniroma1.it).

Honors Program

The Degree Program Council (CAD) annually establishes an Honors Program (Excellence Track) aimed at enhancing the education of outstanding students who are particularly interested in in-depth methodological and applied training, as well as in cultural enrichment and exposure to research methodologies in the field of Environmental Engineering.
The track consists of additional educational activities, beyond the regular curriculum, designed to reward students who, during the first year of the program, have demonstrated exceptional merit.
Admission to the Honors Program is by application, submitted in accordance with the annual Faculty call for applications, which specifies the selection criteria and the number of available positions.
Upon completion of the Master's Degree within the standard duration of the program, students who successfully complete the Honors Program will receive an official certificate recorded in their academic transcript. In addition, the University awards them a prize equal to the amount of tuition fees paid in the final year of the program, excluding the single university contribution and the regional tax.

Assessment of Learning

The assessment of learning for each course is normally carried out through an examination, which may include oral and/or written tests according to the methods defined by the instructor and published in the course description available in the "Attending" section of the official degree program website (https://corsidilaurea.uniroma1.it/). For some activities, instead of an examination, a pass/fail assessment is provided, with the evaluation methods also defined by the instructor.

Quality Assurance

The degree program, in collaboration with the University, collects feedback from attending students for all courses. The evaluation system is integrated into a quality assurance process, under the responsibility of the Degree Program Quality Assurance Committee (CGAQ), as well as faculty members, students, and staff of the program. The results of the surveys and analyses are used to identify and implement any necessary improvement actions.

Student Mobility

For all student mobility opportunities, please refer to the dedicated webpage of the Faculty of Civil and Industrial Engineering, available at: https://ici.web.uniroma1.it/it/internazionale.
The RAM (Academic Mobility Coordinator) of the Degree Program Board (CAD) in Environmental Engineering, Prof. Elena Ridolfi, is responsible for the definition and approval of the training activities to be carried out abroad (Learning Agreement). The results of the educational activities undertaken within the Erasmus Program are validated and directly transferred to the student's academic record, in accordance with the Regulations for

Student Mobility and the Recognition of Study and Training Periods Abroad, available in the "International" section of the University website (www.uniroma1.it).

Characteristics of the Master's thesis and final examination

The Master's Degree program is completed with a final examination worth 15 ECTS credits, in which students could address a relevant topic specific to Environmental Engineering, applying the knowledge and skills acquired during their studies. The final examination represents an individual educational experience and consists of the preparation of an original thesis under the supervision of a faculty advisor.

The topic and type of the thesis are assigned by the advisor chosen by the student, within the academic disciplines of the Degree Program. The advisor must be a faculty member of the Degree Program Council (CAD) and may be supported by one or more co-advisors. The final examination involves the application of innovative methodologies to the solution of specific, often complex, problems, under the supervision of one or more faculty members and, in many cases, with the additional guidance of an external supervisor.

The objectives of the final thesis are:

- to introduce the candidate to the analysis and personal elaboration of information acquired through bibliographic research on the assigned topic and the performance of basic assessments.
- to train the candidate in the public presentation of a technical-scientific subject.

The preparation of the final thesis enables graduating students to acquire both the independent judgment required for the critical processing of theoretical information, experimental data, or model results, and the communication skills necessary for the presentation and discussion of the thesis before the Examination Committee.

The final grade is based on the average marks obtained in the examinations, as well as on the quality of the dissertation and the final defense. The Degree Committee assigns the final grade on a scale of 110, and may, by majority decision, award the candidate the highest grade with honors (cum laude).

The final degree grade is determined by taking into account the average of the grades obtained in examinations, the overall academic record, and the outcome of the final examination (quality of the thesis and presentation, cultural maturity, and the candidate's ability for independent intellectual elaboration), in accordance with the regulations approved by the Degree Program Council (CAD) in Environmental Engineering.

For further details, please refer to the "Graduation" section of the official degree program website (accessible at: https://corsidilaurea.uniroma1.it/).

Applications for graduation must be submitted online through the Infostud system, following the procedure available at: https://www.uniroma1.it/en/pagina/line-graduation-application and according to the deadlines published in the "Graduation Guidelines" for the Faculty of Civil and Industrial Engineering, available at: https://www.uniroma1.it/en/pagina/graduating-student-checklist.

Internships and Other Activities Supporting Entry into the Job Market.

Students may choose different options to have the ECTS credits assigned to Other Educational Activities recognized. For example, they may participate in experimental laboratories, attend activities specifically organized by the University to acquire transferable skills (soft skills), or take part in training and orientation internships, an experience that allows students to come into direct contact with the professional or research world.

Internships are not compulsory within the study program and are included as one of the possible options under Other Educational Activities (Art. 10, paragraph 5, letter d of Ministerial Decree 270/2004).

In addition, for non-Italian-speaking students attending courses taught in English, Other Educational Activities may also include courses aimed at teaching Italian language to international students.

Student feedback, reports, and complaints

A student wishing to submit a complaint regarding malfunctions, shortcomings, service disruptions, or issues related to the teaching services under the responsibility of the Degree Program Council (CAD) in Environmental Engineering may address their concerns to the Student Representatives in the CAD, whose names are published on the official degree program website (accessible at: https://corsidilaurea.uniroma1.it/).
Alternatively, to report malfunctions or violations of their rights as established by the University Statute (Art. 6, paragraph 5), students may contact the Student Ombudsperson of the Faculty of Civil and Industrial Engineering. For further information, please consult the dedicated webpage available on the Faculty's website (https://www.ing.uniroma1.it/).

Tutoring

The faculty members appointed to provide tutoring services in support of students are the following:Prof. Michele Cercato
Prof. Mattia Giovanni Crespi
Prof. Giorgio De Donno
Prof. Paolo Monti
Prof. Alessandra Polettini
Prof. Paolo Viotti
In addition, the Degree Program makes use of the tutoring services provided by the Faculty, also employing special supplementary contracts.

Prerequisites

No compulsory prerequisites are required among the courses and activities of the Master's Degree program.