

WHY ENROLLING ?

The University of Naples Federico II (UniNA) has a long tradition of Civil and Environmental Engineering (CEE) dating back to 1811 when the Application School for Bridge and Road Engineers was created in Naples by Gioacchino Murat on the model of the French École Polytechnique, representing the first core of the modern School of Engineering. Since 2021 UniNA ranked among the top five Italian Universities in Civil & Structural Engineering according to QS rankings.



Useful links

Basic Sciences and Polytechnical School (SPSB)
www.scuolapsb.unina.it

Department of Civil, Architectural and Environmental Engineering (DICEA)
<http://www.dicea.unina.it>

Department of Structures for Engineering and Architecture (DiSt)
www.dist.unina.it

Bachelor's Degree in Civil & Environmental Engineering
www.civil-environmental.unina.it

Contacts

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Student Office

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Building C8 - III floor

<https://maps.app.goo.gl/xoUUV2WcBDofmz1A8>

neapōlis



UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II
SCUOLA POLITECNICA E DELLE SCIENZE DI BASE

SCHOOL OF
ENGINEERING

BACHELOR'S DEGREE

**CIVIL and
ENVIRONMENTAL
ENGINEERING**



OBJECTIVES

Civil and Environmental Engineering deals with the planning, design, construction, assessment, monitoring, maintenance and management of structures and infrastructures, including buildings, bridges, tunnels, dams, water collection, distribution and drainage systems, transportation systems such as roads, railways, harbors, airports, and other engineering works that play a fundamental role for the economic growth and sustainable development of the modern society and resilient communities. The program in CEE aims at providing future professionals with sound theoretical principles of mathematics, physics, chemistry and computer science, together with the fundamentals of the core subjects of Civil Engineering (including surveying, mechanics of fluids, solids, soils and structures, structural design, hydraulic engineering works, transportation infrastructures).

ENTRY REQUIREMENTS

Students need to have finished their 12 year school education. In order to enter the degree program, an entrance online test shall be carried out during sessions defined by UniNA.

ENGLISH SCORE REQUIRED

To study at UniNA, students will need to prove they understand English to a certain level. They should demonstrate a language proficiency B2 according to Common European Framework of Reference for Languages.

PROGRAM

The BSc program in CEE consists of 180 credits and lasts 3 years:

FIRST YEAR

	CREDITS
Basic mathematics and analysis	12
Chemistry	6
Soft skills	6
Digital representation and modelling	6
BIM laboratory	3
General physics	9
Linear algebra and Geometry	6
Laboratory of data analysis	3
Foreign Language ⁽¹⁾	3

SECOND YEAR

Mathematical analysis II	6
Mathematical Physics	6
Engineering Geology or	6
Surveying and Mapping	6
Transportation Engineering	9
Structural Mechanics	9
Laboratory of computational mechanics	3
Hydraulics	9
Sanitation and Environmental engineering	9

THIRD YEAR

Structural engineering I	9
Geotechnical Engineering	9
Highway Engineering	9
Building engineering	6
Infrastructure Systems in Urban Water Management	9
Coastal Engineering or	6
Circular Bioeconomy for Ecological Transition or	6
Resilience of Transportation Systems or	6
Technologies in geotechnical engineering or	6
Structural engineering II or	6
Spatial analysis and urban planning or	6
Applied thermodynamics, energy and heat transfer	6
Free choice	18
Final test	3

(1) Foreign Language: Italian Language for International students and English Language for Italian students.

JOB OPPORTUNITIES

Graduates can operate as self-employed professionals, or as employees in public administrations or private companies dealing with problems of civil, building and environmental engineering involving soils, structures, transports, hydraulics, waste management, soil protection and surveying. They can work in construction and maintenance companies or design firms under experienced engineers' supervision.

VISA

Students will also need to get a student visa before they can start their course. Those who live outside Europe can apply through the Italian embassy in their home country via <https://www.universitaly.it/>.

SCHOLARSHIPS

UniNA provides scholarships to support the best foreign students to enroll in CEE and study in Naples.

ACCOMODATIONS

UniNA has agreements with housing companies to help international students find accommodation. International students who will be in Naples for a long time could find a private apartment to rent and share with other tenants.

FACILITIES

UniNA has buildings for teaching, doing research, student services, technology and special education. The School of Engineering is in a pretty location just outside the centre of Naples. Efficient public transportations offer fast and frequent rides downtown as well as to the central railway station and the airport.

