



Engineering Faculty

Degree Course in Civil and Environmental Engineering

The Degree Course

The Three-year Degree Course in Civil and Environmental Engineering proves to be extremely innovative being based on an interdisciplinary model complying with international standards and outdoes the traditional academic approach based on the separation among different fields of knowledge. The proposed model deals with the dynamics of the constructions sector and their impact on the surrounding environment. The graduate in Civil and Environmental Engineering possesses a basic knowledge of mathematics, general and applied physics, of materials and of the structures used for civil constructions, of electronics and plants, of graphical representation and land survey, public works and environmental laws, hydraulics, economics and property estimate. In addition, he has a working knowledge of the main basic disciplines and of some applicative disciplines related to civil and environmental engineering. The cultural and professional profile of the graduate in Civil and Environmental Engineering is therefore that of technician having an suitable cultural background and a good basic training and knowledge of the most important disciplines characterising the sector of the civil constructions and land management measures, paying particular attention to environmental questions that allow him to plan land management measures, to manage civil plants and design simple public works. The study program is structured on two main paths: in the first path, called "Structures and Infrastructures", the objective is to train an engineering possessing strong basic skills allowing him to access the second-cycle degree, whereas the second path, called "Constructions, Survey and Topography" is best suited to those wishing to enter the labor market straight away. By means of the videlessons of the most important international scientists, supplemented by multimedia educational materials, exercises, virtual classrooms and other tools of analysis, more-in-depth study and assessment, along their study path, the students are constantly supported by tutors, researchers and area professors in a continuous and stimulating confrontation based on interactivity.

Study Programme Degree Course in Civil and Environmental Engineering

Path: Structures and Infrastructures

I YEAR

- Calculus 1
- Physics
- Programming
- Design and Technical Architecture
- Mathematical Methods
- Chemistry
- Technical English

II YEAR

- Statics and dynamics of mechanical systems
- Energy plants for building
- Economics and business management
- Hydraulics and hydraulic plants
- Structural mechanics
- Survey and assessment theory
- Environmental and health engineering

III YEAR

- Geology, geodesy and geotechnics
- Technical mechanics
- Safety and construction plants
- Urban planning and sustainability
- Roads and infrastructures
- Modules at choice
- Training and internship periods
- Final exam

Path: Constructions, Survey and Topography

I YEAR

- Calculus 1
- Physics
- Topography and practice work
- Statistics
- Programming
- Design and Technical Architecture
- Chemistry and Materials Science
- Technical English

II YEAR

- Methods and models of structural mechanics
- Architectural and structural design
- Design laboratory
- Energy plants for building
- Economics and Business Management
- Structural mechanics
- Environmental health engineering

III YEAR

- Health and environmental security technique
- Geology and geotechnics
- Survey and assessment theory with practice work
- Technical mechanics
- Urban planning and sustainability
- Modules at choice
- Training and internship periods
- Final exam

How to enrol

Enrolment can only be made on the Internet in the area devoted to the Administrative Secretariat of the portal www.uninettunouniversity.net.

Payments can be made online by credit card or through bank transfer or postal service.



Videolesson of prof. Bernardino Chiaia