



UNIVERSITY OF  
**MESSINA**  
| founded in **1548**

Bachelor's Degree in

# CIVIL ENGINEERING



→  **Scientific coordinator**  
*Prof. Orazio Pellegrino*  
[orazio.pellegrino@unime.it](mailto:orazio.pellegrino@unime.it)

 **Department**  
*Engineering*

 **Duration**  
*3 years*



Bachelor's degree in

## CIVIL ENGINEERING

### → Programme overview

*The Bachelor course in Civil Engineering aims to form graduates with a theoretical background of basic sciences as well as with operative skills suitable for practice, including design, manufacturing, maintenance, and project management in different fields of civil engineering. Traditional subjects are combined with advanced and up-to-date methods and tools compliant with modern technical regulations.*

#### **The course comprises three years:**

- *the first year is a foundation year aimed to transfer the fundamental knowledge in the field of mathematics, chemistry, physics, and graphical representation.*
- *the second year encompasses advanced principles of calculus to complete the fundamental knowledge, followed by more professional subjects related to constructions, environmental engineering, technology, and territory.*
- *The third year is mainly dedicated to problems at a territorial scale, such as the design of infrastructures in a BIM environment, the hydraulics of natural systems, foundations and retaining structures and the seismic response of the structures.*

*The classes also include: laboratory exercises, aimed at the knowledge of experimental methods; practical activities oriented to analysis and problem-solving, knowledge of infrastructures, systems, and facilities, as well as natural and anthropic phenomena and processes. Training activities (internships) are carried out in public or private companies through suitable international programs as well.*

### → Minimal entry requirements

*A foreign certified qualification demonstrating 12 years of study as equivalent to an Italian secondary school diploma.*

*Scan the QR Code for further admission requirements criteria.*



## → Language requirements

*International English language certificate issued by an Institution recognised by the Italian Ministry of University and Research (MUR), B2 level of the Common European Framework of Reference.*

## → Study programme

Civil Engineering class degree (L-7)

### CIVIL ENGINEERING

YEAR  
1

- ▶ Linear Algebra and Geometry
- ▶ Chemistry and Materials
- ▶ Technology
- ▶ Mathematical Analysis I
- ▶ Physics
- ▶ Architectural Drawing
- ▶ Surveying and data processing
- ▶ Foreign Language from European countries different from English and native language
- ▶ Subject chosen by the student

### CIVIL ENGINEERING

YEAR  
2

- ▶ Mathematical Analysis II
- ▶ Circuit Theory
- ▶ Rational mechanics
- ▶ Building Construction
- ▶ Structural mechanics I
- ▶ Technical physics and building energy systems
- ▶ Subject chosen by the student

### CIVIL ENGINEERING

YEAR  
3

- ▶ Track design of civil structures
- ▶ Fundamentals of geotechnical engineering
- ▶ Structural mechanics II
- ▶ BIM for highway planning
- ▶ Fundamentals of hydraulics of natural systems
- ▶ Foundations and retaining structures
- ▶ Seismic analysis of structures
- ▶ Structural design
- ▶ Internship Stages
- ▶ Final Project



Bachelor's degree in

**CIVIL ENGINEERING**

## → International opportunities

*UniME students have the opportunity to participate in the Erasmus+ Mobility programme both for study and training. Calls are published on the site twice per year.*

*Another opportunity for students is the UniME Funded programme "Students Around the World" (SAW) call for scholarships for study at the extra-European universities in the context of international cooperation agreements. For further information please visit our site.*

## → Tuition fees

*A fixed fee (€ 156.00) and a remaining amount of tuition calculated on the basis of a sliding scale. For further information:*



//

*I really enjoy this course as it allows me to be creative and work with my peers to produce results that I am very proud of.*

*This practice is vital to Civil Engineering as teamwork and communication is an important skill in this field.*

*The course of Civil Engineering also produces a great environment to learn some important real-world applications of principles associated to sustainable development and manufacturing.*

*Julia Muse*



UNIVERSITY OF  
**MESSINA**  
| founded in 1548

