



**Università  
di Brescia**



**UNIVERSIDADE  
BEIRA INTERIOR**

# **Double Degree Programme**

**Masters in Civil Engineering at  
Universidade Beira Interior (Portugal)**

**and**

**Master in Civil and Environmental  
Engineering at Università di Brescia (Italy)**

# Why?

The formal training of Engineers  
in a global context  
becomes crucial

UNITA is the European University Alliance aiming at *developing the Education, Research and Innovation ecosystems in peripheral, cross-border rural and mountain areas, valorising romance languages.*



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Covilhã, Portugal



# Master in Civil Engineering

2 Specialisation areas

🎓 Structures and Construction

🎓 Geotechnics and Environment

## Programme Structure

The 2nd Cycle in Civil Engineering has a duration of **4 semesters** (2 years), equivalent to **120 ECTS**

1st year (ECTS)



2nd year (ECTS)



Brescia, Italy



**MARTINENGO PALACE  
RECTORATE (XVII century)**

# Master in Civil and Environmental Engineering at



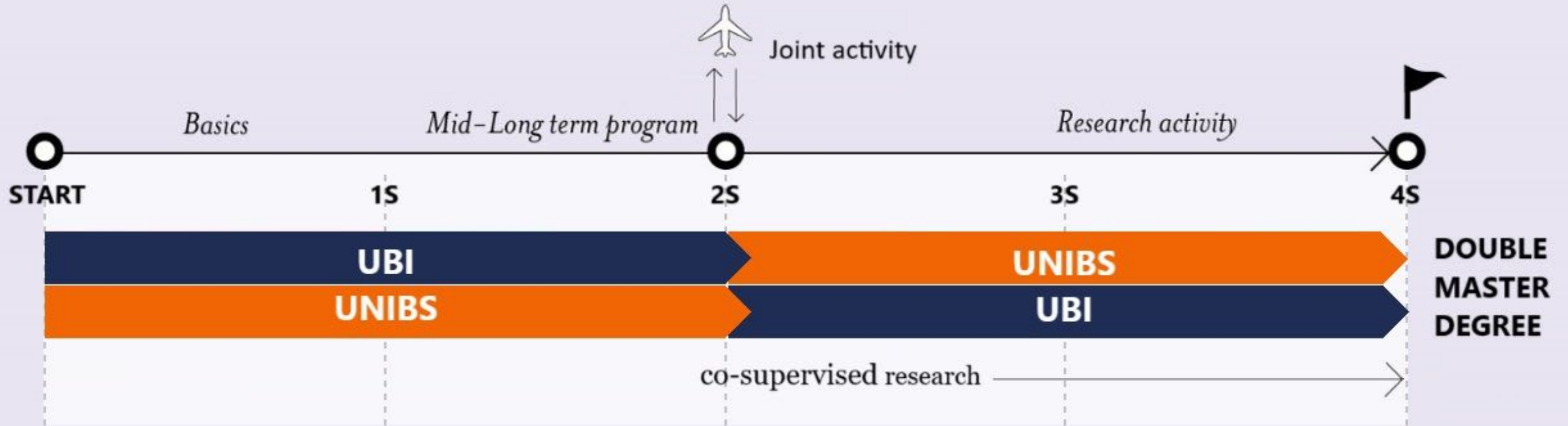
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The 2nd Cycle in Civil and Environmental Engineering has the same duration of **4 semesters** (2 years), equivalent to **120 ECTS**

It offers a major in **Civil Engineering**  
and one in **Environmental engineering**

Brescia is in a strategic position close to Milan, Venice, Verona and Bologna and its territory offers a dynamic ecosystem of enterprises with a high lever of employability of engineers in the manufacturing, circular economy, built environment and infrastructures sectors

# DOUBLE DEGREE PROGRAMME



- ◆ Language: English
- ◆ nº of exchange students: 5 /year
- ◆ UCs fully recognized



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 Study plan - **UNIBS**

**1<sup>st</sup> year UNIBS: Environmental Engineering**

**2<sup>nd</sup> year UBI: EC – Geotechnics and Environment**

UCs	ECTS
Structural Design Geotechnical Engineering Building Performance Engineering Environmental Hydraulics Urban Planning and Risk Mitigation Advanced Geomatics	54
Complements of Structural Concrete Fluvial Hydraulics Environmental Sanitation Environmental Geotechnics Environmental Impacts Elective Subject Dissertation or Project	66

**1<sup>st</sup> year UNIBS: Civil Engineering**

**2<sup>nd</sup> year UBI: EC – Structures and Constructions**

UCs	ECTS
Structural Design Geotechnical Engineering Building Performance Engineering Environmental Hydraulics Urban Planning and Risk Mitigation Structural Dynamics and Seismology	54
Complements of Structural Concrete Prestressed Concrete Construction Pathology Strengthening of Structures Assessment, Quality, R of Buildings HWR or Environmental Sanitation Dissertation or Project	66



# Study plan - **UBI**

**1<sup>st</sup> year UBI: EC – Geotechnics and Environment**

**2<sup>nd</sup> year UNIBS: Environmental Engineering**

UCs	ECTS
Matrix Analysis of Structures Complements of Structural Concrete Hydrology and Water Resources Advanced Soil Mechanics Complements of Roads Steel Structures Foundations Construction Management Fluvial Hydraulics Environmental Sanitation	60
Climate Change and Sust. Urb. Drain. Urban Planning and Risk Mitigation Appropriate Environmental TRLC Energy Systems: from Oil & Gas to R Elective Subject Final Thesis/ Dissertation or Project	60

**1<sup>st</sup> year UBI: EC – Structures and Constructions**

**2<sup>nd</sup> year UNIBS: Civil Engineering**

UCs	ECTS
Matrix Analysis of Structures Complements of Structural Concrete Hydrology and Water Resources Advanced Soil Mechanics Infrastructure and Sustainability Steel Structures Foundations Construction Management Prestressed Concrete Construction Pathology	60
Hydraulic Structures Design of Seismic RS Structural Dynamics and Seismology Energy Systems: from Oil & Gas to R Elective Subject Final Thesis/ Dissertation or Project	60



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# ADMISSION & COORDINATION

## Criteria for admission

- ◆ **UNIBS:** Bachelor (or equivalent) in Civil or Environmental Engineering with 40+55 ECTS in Maths, Physics, Chemistry, Hydraulics, Structural Mechanics and other disciplines of Civil and Environmental Engineering
- ◆ **UBI:** Bachelor (or equivalent) in Civil Engineering (or in affine areas, including masters); English level B2 (recommended)

## Operation of the DDP

- ◆ **Dissertation**  
Topic approved by both advisors. Respect the rules of both parties. Defense agreed upon in advance.

Step	Date	Responsible
Application	Feb (year N)	Bilateral administrative
Student selection	Mar (year N)	Bilateral academic
Student appointment	Apr (year N)	Bilateral administrative
Dissertation/Final Thesis topic	Jun (year N)	Bilateral academic
Mobility formalization	Jul (year N)	Student
Mobility	Sep (year N) to Jun (N+1)	Student
Dissertation/Final Thesis	Jun (N+1)	Student
Academic recognition	Jul (N+1)	Bilateral academic



# Find out more



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- ◆ Website: [corsi.unibs.it/](https://corsi.unibs.it/)
- ◆ Email: [giovanna.grossi@unibs.it](mailto:giovanna.grossi@unibs.it)
- ◆ Apply now:



- ◆ Website: [www.ubi.pt/en/studyplan/](http://www.ubi.pt/en/studyplan/)
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