



Faculty of Civil Engineering,
Transportation Engineering
and Architecture

Smetanova ulica 17
2000 Maribor, Slovenija

M.Sc. Civil Engineering

on

**Faculty of Civil Engineering, Transportation Engineering and Architecture
University of Maribor**

Description of Civil Engineering

The International Master Programme in Civil Engineering is an international graduate programme, entirely taught in English and open to students of any Nationality. The main goal of the programme is educating professionals with the necessary in-depth scientific and technical knowledge in the field of civil engineering, within a multicultural educational environment. The programme is intended to give to the students firm technical bases while nurturing decision-making and leadership potential. It prepares graduates to practice their profession at an advanced level and with a unique exposure to an international environment to better understand global issues of civil engineering.

The master duration is two years (4 semesters). Some courses will be given by invited foreign professors.

In the second year, the curricula courses allow the students to specialize in the following areas:

- **Civil Engineering Infrastructure** and
- **Civil Engineering Structures and Construction Management**

The curricula courses allow students to become skilled in civil engineering project-management, in design and analysis of civil-engineering structures and infrastructures, providing a comprehensive know how on civil engineering materials, technologies and processes. The Civil Engineering Board will help students selecting the courses and building their own curriculum.

The courses will be organized with in-class teaching activities, practice, design and laboratory activities. The lectures of the course will be recorded and available for the students by means of a podcast system. The final exam consists in the public discussion of a dissertation (the Master thesis).

Career opportunities:

After the Master, civil engineers plan and design all types of buildings, houses, industrial plants, bridges, roads, intersections, interchanges and railways, waterways and water reservoirs. Besides these traditional activities, in industrialised and rapidly evolving societies, the skills of Civil Engineers are increasingly requested in the fields of territory planning and environment preservation. Moreover, the arising demand for safety and protection against natural and industrial risks is the framework in which the skills of Civil Engineers meet the continuously evolving needs of Civil Protection.

Main employers of civil engineers are national and international construction companies, engineering and consultancy agencies and public authorities. Quite a number of civil engineers are self-employed and run their own company or office.



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Study programme

Admission requirements

(look at the bottom of this document)

Detailed Course Facts

Tuition fee: 2.700,00 €/academical year
Start date: October 2016
Credits: 120 ECTS
Duration: full-time 24 months
Language: English

Contacts

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Student Dormitories

Web site:

<http://www.um.si/en/Study/student%20dormitories/Pages/default.aspx>

City of Maribor

<http://www.maribor.si/podrocje.aspx?id=0&langid=1033>

Admission requirements

4.6 Admission requirements and selection procedure for limited enrolment

The admission requirements conditions for the 2nd degree study programme Civil Engineering are:

1. A bachelor (1st cycle) study programme of appropriate professional fields: Civil Engineering (5820), Industrial Engineering (Civil Engineering) (5829).
2. A bachelor (1st cycle) study programme in transport services (traffic) (8400), engineering and engineering trades (traffic engineering) (5200), architecture (5811), mechanical engineering (5211) and urbanism (5812), if candidates, before enrolment, finish the study obligations, essential for study continuation. These study obligations are set according to candidates' professional field of the 1st degree studies and are awarded 10 to 60 credit points. Candidates can achieve those credit points during their 1st degree study, with programmes for advanced study courses or by passing exams prior enrolment in the Master study programme. They have to fulfil study obligations in the subjects from the area: structural mechanics, geotechnics, hydrotechnics, civil engineering structures, operative planning, traffic engineering and building materials.
3. Professionally orientated study programmes, adopted before 11 June 2004 in appropriate professional field: Civil Engineering (5820).
4. Professionally orientated study programmes, adopted before 11 June 2004 in other professional fields: transport services (traffic) (8400), mechanical engineering (5211) and urbanism (5812), if candidates, before enrolment, finish study obligations, essential for study continuation. These study obligations are set according to candidates' professional field of the 1st degree studies; candidates are awarded 10 to 60 credit points. Candidates can achieve those credit points during their 1st degree study, with programmes for advanced study courses or by passing exams prior enrolment in the Master study programme. They have to fulfil study obligations in the subjects from the area: structural mechanics, geotechnics, hydrotechnics, civil engineering structures, operative planning, traffic engineering and building materials.
5. University study programmes, adopted before 11 June 2004 in appropriate professional field: Civil Engineering (5820) and Industrial Engineering (Civil Engineering) (5829). The candidates are awarded 60 credit points and are enrolled



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into the second year, if the recognized obligations fulfil transition requirements, laid down in the accredited study programme.

6. University study programmes, adopted before 11 June 2004 in other professional fields: transport services (traffic) (8400), architecture (5811), mechanical engineering (5211) and urbanism (5812). The candidates are awarded up to 40 credit points which are inscribed in the appropriate study year.
7. Professionally orientated study programmes, adopted before 11 June 2004 and specialization study programme adopted before 11 June 2004 in the appropriate professional field: Civil Engineering (5820). The candidates are awarded 60 credit points and may enrol into the second year provided they satisfy the transfer criteria laid down in the accredited study programme.
8. Professionally orientated study programmes, adopted before 11 June 2004 and specialization study programme adopted before 11 June 2004 in one of these professional fields: transportation services (traffic) (8400), mechanical engineering (5211) and urbanism (5812). The candidates are awarded up to 40 credit points which are inscribed in the appropriate study year.