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# Magister inženir gradbeništva/magistrica inženirka gradbeništva

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## Selected qualifications

<b>Name of qualification</b>	Magister inženir gradbeništva/magistrica inženirka gradbeništva
<b>Translated title (no legal status)</b>	Master of Science of Construction Management
<b>Type of qualification</b>	Diploma druge stopnje
<b>Category of qualification</b>	Izobrazba
<b>Type of education</b>	Master's education
<b>Duration</b>	2 years
<b>Credits</b>	120 credits

## Admission requirements

- A completed first-cycle study programme in the field of civil engineering (also industrial engineering – civil engineering stream); or
- a completed first-cycle study programme in the field of transport, transport engineering, architecture, mechanical engineering, urban planning and other civil-engineering-related fields, if prior to enrolment the candidate has completed course units essential for further study, for a total of between 10 and 60 ECTS credits; candidates must complete course units in subjects from the following fields: construction mechanics, geoengineering, hydraulic engineering, civil engineering structures, technology of building, transport engineering, construction materials; or
- a completed professional higher education programme, adopted before 11 June 2004, in the field of civil engineering; or
- a completed professional higher education programme, adopted before 11 June 2004, in the field of transport, mechanical engineering, urban planning and other civil-engineering-related fields, if prior to enrolment the candidate has completed course units essential for further study consisting of between 10 and 60 ECTS credits; candidates must complete course units in subjects from the following fields: construction mechanics, geoengineering, hydraulic engineering, civil engineering structures, technology of building, transport engineering, construction materials.

## ISCED field

Field  
Tehnika, proizvodne tehnologije in gradbeništvo

## ISCED subfield

subfield gradbeništvo

## Qualification level

SQF 8  
EQF 7  
Second level

## Learning outcomes

The qualification holder will be able to:

(general competences)

- integrate basic knowledge with issues of the planning, construction and maintenance of buildings and the design of construction products,
- autonomously manage projects,
- show greater creativity and innovation as the result of broad knowledge of the field, with a simultaneous orientation towards an individual sub-field,
- communicate within an organisation and outside it with partners and customers both at home and abroad, in the process of obtaining and implementing works,
- analyse, synthesise and anticipate solutions and consequences,
- resolve the most complex practical problems through the application of scientific methods and

procedures,

- demonstrate mastery of research methods, procedures and processes, develop critical and self-critical assessment and seek optimal solutions in the circumstances given,
- apply highest-level knowledge in practice,
- develop communication skills and abilities, particularly in the international environment,
- show cooperativeness and work in a group (including in an international environment),
- acquire all the competences that such professional figures are required to possess by applicable construction and civil legislation,

(subject-specific competences)

- plan and implement construction works and services with regard to adequate quality and price and carry out independent technical evaluations on the basis of scientific analysis and synthesis,
- apply highest-level specialised knowledge from the fields of planning, construction and maintenance of buildings (structures and transport infrastructure installations), organisation, management and leadership of construction works and construction manufacturing, construction informatics, ecology, urban planning and environmental policy,
- autonomously determine the dimensions of structural elements, connect them into a whole (buildings) and transfer them to a real-world environment,
- autonomously and creatively perform complex tasks in the field of civil engineering – lead a "project team".

## Assessment and completion

Examination performance is graded as follows: 10 (excellent); 9 (very good: above-average knowledge but with some mistakes); 8 (very good: solid results); 7 (good); 6 (adequate: knowledge satisfies minimum criteria); 5–1 (inadequate). In order to pass an examination, a candidate must achieve a grade between adequate (6) and excellent (10).

## Progression

In order to progress to the second year, students must pass first-year examinations totalling at least 45 ECTS credits, including all course units covered by the subject Mathematics D.

## Transitions

Third-cycle doctoral study programmes (SQF level 10)

## Condition for obtaining certificate

In order to complete the programme, students must complete all course units prescribed by the

programme for a total of at least 120 ECTS credits.

## **Awarding body**

University of Maribor, Faculty of Civil Engineering

URL

<https://www.fgpa.um.si/ang>

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