SLOVENSKO
OGRODJE
KVALIFIKACIJ

Magister inženir okoljskega gradbeništva/magistrica inženirka okoljskega gradbeništva

Selected qualifications

Name of qualification	Magister inženir okoljskega gradbeništva/magistrica inženirka okoljskega gradbeništva
Translated title (no legal status)	Master of Science in environmental civil engineering
Type of qualification	Diploma druge stopnje
Category of qualification	Izobrazba
Type of education	Master's education
Duration	2 years
Credits	120 credits

Admission requirements

• Graduates of the first-cycle academic higher education programme in Water Management and Environmental Engineering; or
• graduates of the first-cycle professional higher education programme Technology of Building, who pass the following differential examinations from the first-cycle academic higher education programme Water Management and Environmental Engineering: Mathematics II, Basics of Chemistry, Hydrology I and Hydraulics I – for a total of 23 credits; differential examinations may be taken as elective subjects during the first-cycle study programme or during an additional bridging year; or
• graduates of the professional higher education programme Civil Engineering before the introduction of the Bologna programmes; or
• graduates of other first-cycle academic higher education programmes, where for such candidates an individual bridging programme consisting of 10–60 ECTS is defined; or
• graduates of a first-cycle professional higher education programme in another related (engineering and bioengineering) field, where for such candidates an individual bridging programme consisting of 10–60 ECTS is defined; or
• graduates of other related (engineering and bioengineering) professional higher education programmes prior to the introduction of the Bologna reform, where for such candidates an individual bridging programme consisting of 10–60 ECTS is defined.

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)

- demonstrate broad general knowledge and knowledge of academic fields,
- frame, understand and creatively address problems, principles and theories,
- show a high degree of creativity and innovation as the result of the interdisciplinary nature of the study programme,
- critically read and understand texts, acquire knowledge and find sources autonomously,
- think critically, analytically and synthetically,
- transfer and apply theoretical knowledge into practice and resolve complex technical and work-

related problems,
- develop professional and ethical responsibility,
- develop linguistic and numerical literacy, speak in public and communicate with customers and the non-specialist and specialist public,
- use foreign technical language in written and spoken communication,
- use modern information and communications technology, including in an international environment,
- make interdisciplinary connections, including in an international environment,
- take into account safety-related, functional, economic, environmental protection and ecological aspects in their work,
- develop high moral and ethical criteria (an honest attitude towards work with customers, offering impartial advice, independence and professionalism in accordance with applicable legislation),
- create an objective view of the environment and society,
- accept obligations towards customers and employers and towards society as a whole,
- plan and implement complex construction works with regard to adequate quality and price and on the basis of acquired in-depth knowledge of natural sciences and in-depth knowledge of specialised disciplines from the field of environmental civil engineering, and carry out independent technical evaluations on the basis of scientific analysis and synthesis,
- integrate issues of environmental protection and the identification and consideration of risks surrounding proposed developments in the environment with issues relating to the planning of structures in the field of environmental civil engineering,

(subject-specific competences)

- demonstrate understanding of the role and importance of water management in modern society,
- participate in the planning, organisation, management and implementation of construction works for the construction of more complex civil engineering structures in the field of water management,
- autonomously determine the dimensions not only of individual elements but of complete more complex civil engineering structures in the field of water management,
- autonomously and creatively perform complex tasks in the field of environmental civil engineering,
- lead a group in the planning, design and implementation of various developments involving the water environment, including in risk areas,
- participate in the preparation of spatial planning documents,
- participate in the management and evaluation of immovable property,
- coordinate work between developers, planners and spatial development contractors,
- demonstrate knowledge of basic aspects of the legal and administrative system important for water management and for the management and recording of the water environment and risk areas,
- manage large water management companies, following a suitable period of practical experience.

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

Students may enrol in the next year if by the end of the academic year they have completed course units

prescribed by syllabuses consisting of at least 45 ECTS credits.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

In order to complete the programme, students must complete all prescribed course units, for a total of 120 ECTS credits, including practical training and a master's thesis.

Awarding body

University of Ljubljana, Faculty of Civil and Geodetic Engineering

URL

https://www.en.fgg.uni-lj.si/