SLOVENSKO
OGRODJE
KVALIFIKACIJ

# Diplomirani inženir okoljskega gradbeništva (un)/diplomirana inženirka okoljskega gradbeništva (un)

## Selected qualifications

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| **Name of qualification** | Diplomirani inženir okoljskega gradbeništva (un)/diplomirana inženirka okoljskega gradbeništva (un) |
| **Translated title (no legal status)** | Bachelor of Science of environmental engineering |
| **Type of qualification** | Diploma prve stopnje (UN) |
| **Category of qualification** | Izobrazba |
| **Type of education** | Academic bachelor's education |
| **Duration** | 3 years |
| **Credits** | 180 credits |

## Admission requirements

• Matura or
• vocational matura in any secondary school programme and an examination in one of the matura subjects; the selected subject may not be a subject which the candidate has already taken in the vocational matura; or
• school-leaving examination (prior to 1 June 1995) under any four-year secondary school programme.

## ISCED field

Field
Tehnika, proizvodne tehnologije in gradbeništvo

## ISCED subfield

subfield  gradbeništvo

## Qualification level

SQF 7
EQF 6
First level

## Learning outcomes

The qualification holder will be able to:

(general competences)

- demonstrate broad general knowledge and knowledge of academic fields,
- define, 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 technical and work-related problems,
- develop professional and ethical responsibility,
- develop linguistic and numerical literacy, speak in public and communicate with customers and the 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 civil engineering works with regard to adequate quality and price and carry out independent technical evaluations on the basis of scientific analysis and synthesis, specifically on the basis of fundamental knowledge acquired of the basic natural science and social science disciplines, basic civil engineering disciplines and basic professional knowledge of the water

management and utilities fields,
- integrate the basics of engineering economics and environmental protection issues with issues of planning water infrastructure and utilities installations,

(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 less complex civil engineering structures in the field of water management,
- autonomously determine the dimensions of individual elements of less complex civil engineering structures in the field of water management, but not of complete structures,
- autonomously and creatively perform specific (less complex) tasks in the field of water management and environmental and utilities engineering,
- participate as part of a group in the planning, design and implementation of developments involving the water environment,
- participate in the preparation of spatial planning documents,
- coordinate work between developers, planners and spatial development contractors,
- demonstrate knowledge of basic aspects of the legal and administrative system important for hydrologists and for the management and recording of the water environment,
- manage small water management companies.

## Assessment and completion

Students' knowledge is assessed by means of practical exercises and seminar papers, and also via products, projects, performances, services, etc. and by examinations. 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 a higher year if by the end of the academic year they have met all enrolment requirements defined by the study programme.

## Transitions

Second-cycle master's study programmes (SQF level 8)

## Condition for obtaining certificate

In order to complete the programme, students must complete all prescribed course units, for a total of 180

ECTS credits, including practical training and a bachelor's thesis.

## Awarding body

University of Ljubljana, Faculty of Civil and Geodetic Engineering

URL

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