SLOVENSKO
OGRODJE
KVALIFIKACIJ

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

Selected qualifications

Name of qualification	Diplomirani inženir gradbeništva (un)/diplomirana inženirka gradbeništva (un)
Translated title (no legal status)	Bachelor of Science Construction Engineer
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 the matura subject of mathematics, or in a foreign language if the candidate has already taken mathematics as part of 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)

- plan and implement construction works with regard to adequate quality and price and carry out independent technical evaluations on the basis of scientific analysis and synthesis,
- undertake creative work in a team of construction planners and construction contractors,
- integrate the basics of engineering economics and environmental protection issues with issues of planning structures and construction products,
- show greater creativity and innovation as the result of interdisciplinary study,
- apply knowledge in practice,
- analyse, synthesise and anticipate solutions and consequences,
- master the basics of research methods, procedures and processes, develop critical and self-critical assessment,
- develop communication skills and abilities, including communication in the international environment,
- demonstrate a capacity for ethical reflection and a commitment to professional ethics,
- show cooperativeness and work in a group, in both interdisciplinary and international environments,

(subject-specific competences)

- demonstrate mastery of knowledge from the field of planning, organisation, management and leadership of construction works and construction manufacturing, construction informatics, ecology, urban planning and environmental policy,
- demonstrate familiarity with and understanding of the foundations and historical development of construction science (subject: "Introduction to construction"),
- communicate within an organisation and outside it with partners and customers (subjects: "Ethics and engineering", "Organisation of construction"),
- resolve individual (less complex) work problems through the application of scientific methods and

procedures,
- autonomously determine the dimensions of construction elements, but not connect them into wholes (buildings), and are therefore not yet able to plan complete buildings,
- autonomously and creatively perform specific (less complex) tasks in the field of civil engineering, perform individual more complex tasks within a group and assist in the management of existing technological procedures within the activities described in the first indent and update them,
- demonstrate coherent mastery of basic knowledge (natural sciences, mathematics, informatics, mechanics, construction materials), integrate knowledge from various fields and apply it;
- use information and communication technologies and systems in their fundamental and basic professional field,
- place new information and interpretations in the context of the fundamental discipline,
- demonstrate understanding of the basic structure of the fundamental discipline and the links between its sub-disciplines,
- develop skills in the application of knowledge in a specific professional field.

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 course units prescribed by the programme for a total of at least 180 ECTS credits.

Awarding body

University of Maribor, Faculty of Civil Engineering

URL

http://www.fg.um.si/eng/