

# Inženir gradbeništva/inženirka gradbeništva

## Selected qualifications

Name of qualification	Inženir gradbeništva/inženirka gradbeništva
Translated title (no legal status)	Civil engineer
Type of qualification	Višja strokovna izobrazba
Category of qualification	Izobrazba
Type of education	Short cycle higher vocational education
Duration	2 years
Credits	120 credits
Admission requirements	<ul style="list-style-type: none"><li>• Matura or vocational matura (previously school-leaving examination); or</li><li>• master craftsman/foreman/shop manager examination, three years' work experience and test in general education subjects at the level required for the vocational matura in secondary vocational education.</li></ul>

## ISCED field

Field  
Tehnika, proizvodne tehnologije in gradbeništvo

## ISCED subfield

subfield gradbeništvo

## Qualification level

SQF 6  
EQF 5  
Short cycle

## Learning outcomes

(general competences)

- use acquired knowledge to communicate successfully both in the domestic and international environments,
- identify, structure and analyse professional problems in changing conditions,
- master standard methods, procedures and work processes,
- carry out tasks in the planning and control of work processes and, in particular, in the organisation and management of work processes,
- develop a moral and ethical sense for honesty, accuracy and conscientiousness at work,
- integrate knowledge from various fields when using and developing new applications,
- continuously use information and communications technology in their own specific technical area of work,

(vocationally specific competences)

- demonstrate familiarity with legislation on standards in the field of the planning and construction of buildings,
- demonstrate familiarity with the basic physical and chemical properties of construction materials and soils,
- demonstrate proficiency in standard methods of use and installation of basic construction materials,
- evaluate the quality of individual materials, products and installation procedures and check and maintain them,
- incorporate new technical solutions and technologies into the work process,
- autonomously address problems in the fields of new construction and the maintenance and repair of buildings,
- organise, manage and internally supervise the construction of geo-engineering structures and terrain remediation,
- identify a risk of unstable terrain and take the appropriate urgent measures to prevent risk,
- determine dimensions and draft plans for protective structures for simple excavations and the protection of a construction site,
- demonstrate knowledge of the structure of construction works and types of construction technologies for buildings and civil engineering structures,
- analyse, structure and quantitatively and qualitatively evaluate individual works and phases of work,
- plan and prepare tenders for individual construction works,
- demonstrate knowledge of the behaviour of structural elements under simple loading,
- apply applicable standards in the field of determining loading and modelling supports,
- determine the dimensions of individual simple structural elements,
- prepare reinforcement plans and workshop plans for steel and wooden structures,

- demonstrate knowledge of the basic requirements, solutions and experiences of anti-seismic buildings,
- identify risks of local instability of individual elements of a structure and take measures for their prevention,
- draw a construction plan and architectural plan of a structure with all essential elements,
- demonstrate knowledge of the importance of planning, building and maintaining/managing roads,
- demonstrate knowledge of the importance of managing water sources.

## 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 progress to the second year if they have successfully completed first-year modules, subjects and practical training (including practical classes, seminar papers, projects, examinations, etc.) totalling at least 45 credits, where all practical classes and practical training course units must be completed in full.

## Transitions

First-cycle study programmes (SQF, level 7)

## Condition for obtaining certificate

In order to complete the programme, students must complete all course units (examinations, practical classes, seminar assignments, etc.), as follows: all compulsory modules and subjects, for a total of 86 credits, one elective module consisting of 24 credits, a freely elective subject consisting of 5 credits and a diploma examination (worth 5 credits).

## Awarding body

Higher Vocational colleges

URL

<https://paka3.mss.edus.si/registriweb/ProgramPodatki.aspx?ProgramId=3764>

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