SLOVENSKO
OGRODJE
KVALIFIKACIJ

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

Selected qualifications

Diplomirani inženir geotehnologije in rudarstva (vs)/diplomirana inženirka geotehnologije in rudarstva (vs)	
Magister migracij in medkulturnih odnosov/magistrica migracij in medkulturnih odnosov	
Compare Selected	Clear

Name of qualification	Diplomirani inženir prometa (un)/diplomirana inženirka prometa (un)
Translated title (no legal status)	Bachelor of Science in transport 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,
• 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 interdisciplinarne izobraževalne aktivnosti/izidi, pretežno tehnika, proizvodne tehnologije in gradbeništvo

Qualification level

SQF 7
EQF 6
First level

Learning outcomes

The qualification holder will be able to:

(general competences)

- participate in ensuring the mobility of the population;
- participate in the planning of transport systems and transport subsystems;
- participate in the planning, design, construction and maintenance of roads;
- participate in the management of traffic and traffic flows;
- participate in the planning and implementation of transport;
- integrate the principles of sustainable development, the basics of economics, legal regulation, spatial development and settlement issues and environmental protection issues with the issues of ensuring the mobility of the population and the competitiveness of the economy;
- show creativity and innovation as the result of the broad spectrum of contents covered by the study programme;
- analyse, synthesise and anticipate solutions and consequences;
- master the basics of research methods, procedures and processes, develop critical and self-critical assessment;
- apply knowledge in practice;
- develop communication skills and abilities, particularly in the international environment;
- demonstrate a capacity for ethical reflection and a commitment to professional ethics;
- show cooperativeness and work in a group and in an international environment.

(subject-specific competences)

- demonstrate understanding of the interdependence of the set "space – residential functions – need for mobility"; both in the historical sense ("Introduction to transport engineering") and in the broader developmental sense ("Selected chapters from geography", "Spatial planning");
- demonstrate understanding of procedures and criteria in ensuring sustainable mobility ("Transport planning", "Environment", "Transport law", "Economics of transport");
- demonstrate understanding of and a systematic approach to ensuring the mobility ("The transport

system", "Transport safety");
- demonstrate understanding of individual phenomena, properties and elements of the transport system ("Means of transport", "Transport infrastructure", "Theory of traffic flow");
- demonstrate understanding of criteria in the planning, project design, construction and maintenance of transport infrastructure ("Roads planning", "Roadbuilding", "Roads management");
- demonstrate understanding of technological processes in transport and methods and procedures of organisation of transport ("Transport technology", "Organisation of transport");
- demonstrate understanding of the potentials for use of modern telecommunications, automation and information technologies in transport ("Transport telematics and informatics");
- communicate within an organisation and outside it with partners and customers;
- resolve individual (less complex) work problems through the application of scientific methods and procedures;
- participate in a project team to perform specific tasks;
- participate in the preparation of municipal, urban, regional and national spatial plans and development plans;
- autonomously determine dimensions of roads, traffic services and terminals;
- autonomously and creatively perform specific tasks in transport enterprises and perform individual more complex tasks within the context of the work of a team;
- demonstrate coherent mastery of basic knowledge (natural sciences, mathematics with statistics, informatics, mechanics), integrate knowledge from various fields and apply it;
- use information and communication technologies and systems in their fundamental and basic technical field;
- place new information and interpretations in the context of the fundamental discipline;
- demonstrate understanding of the general 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 scored 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 50 ECTS credits, which must include examinations in the following subjects: Mathematics A, Mathematics B, Basics of kinematics and dynamics, Computing and information technology, Basics of the transport system, Selected chapters from geography and Transport economics 1.
Students who are repeating the first year must pass all first-year examinations (i.e. complete all 60 ECTS credits) in order to progress to the second year.
In order to progress to the third year, students must have passed all first-year examinations and second-year examinations totalling at least 50 ECTS credits in the following compulsory second-year subjects: Mathematics C, Means of transport, Transport infrastructure, Transport planning, Traffic flow theory.
Students who are repeating the second year must complete all first- and second-year examinations in

order to progress to the third year.

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 study programme, for a total of 180 ECTS credits.

Awarding body

Faculty of Construction and Civil Engineering, University of Maribor

URL

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