SLOVENSKO
OGRODJE
KVALIFIKACIJ

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

Selected qualifications

Name of qualification	Diplomirani inženir prometa (vs)/diplomirana inženirka prometa (vs)
Translated title (no legal status)	Bachelor of Applied Science in transport engineering
Type of qualification	Diploma prve stopnje (VS)
Category of qualification	Izobrazba
Type of education	Professional bachelor's education
Duration	3 years
Credits	180 credits
Admission requirements	• Matura or • 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 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)

- analyse, synthesise and anticipate solutions to practical problems and develop the capacity to foresee solutions and consequences;
- demonstrate mastery of basic research methods, procedures and processes,
- develop communication skills and abilities in the national and international environment;
- apply knowledge in practice;
- demonstrate autonomy in professional work;
- resolve practical problems,
- work in an international environment, either autonomously or in groups;
- develop creativity and innovation as the result of the interdisciplinary nature of the study programme;
- participate in ensuring the mobility of the population;
- participate in the planning of the transport system and transport subsystems;
- participate in the administration and management of road and rail infrastructure;
- participate in traffic management and management of traffic flows;
- participate in the planning, organisation and implementation of transport.

(subject-specific competences)

- participate in the preparation of background documentation for municipal, urban, regional and national spatial plans and development plans;
- autonomously prepare urban and regional sustainable mobility plans;
- analyse the properties of individual elements of the transport system and phenomena and transport processes within it, and work autonomously on planning an urban and regional transport system;
- autonomously determine dimensions of roads, traffic services and terminals;
- autonomously analyse the movement of traffic flows and the use of capacities and plan transport infrastructure needs;
- participate in management and organise autonomously;
- manage transport infrastructure and means of transport;
- autonomously perform transport safety analyses and prognoses
- demonstrate understanding of technological procedures and processes in transport and traffic and manage and organise transport services with an emphasis on road and rail transport;
- autonomously study the market with regard to transport needs;
- optimise all types of transport and logistical processes;

- participate in analyses from the field of transport economics and the profitability of operations;
- participate in the development and manufacture of equipment for transport and transport telematics;
- autonomously agree deals and conclude contracts for the provision of transport and traffic services.

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 have completed first-year course units totalling at least 40 ECTS credits, which must include the following subjects: Mathematics I, Basics of electromagnetism, Computing and information technology, Basics of the transport system and Transport economics I.
In order to progress to the third year, students must have completed all first-year course units and second-year course units totalling at least 40 ECTS credits. The latter must be in the following second-year subjects: Statistics, Means of transport and exploitation, Transport planning, Transport engineering and Infrastructure in road transport in the Road transport stream, or Infrastructure in railway transport in the Railway transport stream.

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

Faculty of Construction and Civil Engineering, University of Maribor

URL

http://www.fg.um.si/eng/Pages/default.aspx