SLOVENSKO
OGRODJE
KVALIFIKACIJ

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

Selected qualifications

Name of qualification	Diplomirani inženir strojništva (un)/diplomirana inženirka strojništva (un)
Translated title (no legal status)	Bachelor of Science in mechanical 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; 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 metalurgija, strojništvo in kovinarstvo

Qualification level

SQF 7
EQF 6
First level

Learning outcomes

The qualification holder will be able to:

(general competences)

- define, understand and creatively address professional challenges;
- develop a capacity for critical, analytical and synthetic thinking;
- develop professional responsibility and ethics;
- communicate professionally and express themselves in writing, including the use of a foreign language in a technical context;
- use information and communication technologies;
- use acquired knowledge to autonomously resolve technical problems in mechanical engineering;
- find sources, critically assess information, autonomously build on knowledge acquired and deepen knowledge in individual specialised fields of mechanical engineering;
- work in a group and participate in interdisciplinary integration;
- observe safety, functional, economic and environmental protection principles in their work;
- observe the engineering code of ethics;

(subject-specific competences)

- develop and research new technologies and processes;
- develop and construct tools, devices, machines and systems;
- develop and construct products and individual component parts;
- plant technology in the electrical industry, the machine industry and similar industries and also in other sectors;
- test materials, machine parts and devices;
- carry out measurements in the field of mechanical engineering;
- develop and implement automated systems for all industrial sectors;
- develop and plan tools and transport devices and systems;
- develop and plan devices, machines and systems for the power and process industries;
- carry out computer-supported activities in the field of mechanical engineering and in other industrial sectors.

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

Students may enrol in the second year if by the end of the academic year they have completed course units defined by syllabuses for a total of at least 48 credits.
Students may enrol in the third year if by the end of the academic year they have completed second-year course units defined by syllabuses for a total of at least 48 credits and all first-year course units defined by syllabuses (60 credits).

Transitions

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

Condition for obtaining certificate

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

Awarding body

Faculty of Mechanical Engineering, University of Ljubljana

URL

http://www.fs.uni-lj.si/en/