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 in any secondary school programme and an examination in one of the following matura subjects: Mechanics, Physics, Mathematics, Computing, Electrical Engineering or foreign language; the selected subject may not be a subject which the candidate has already taken in the vocational matura; or
• school-leaving examination (prior to 1 June 1995) under any four-year secondary school programme.
Candidates who have completed equivalent education abroad are also eligible for admission.

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:

- ability to analyze and synthesize work in the technical field,
- ability to master modern methods,
- independent research in the technical field,
- ability to manage projects and teamwork,
- ability to put gained knowledge into practice,
- the ability to make continuous progress,
- knowledge and introduction of information technology,
- mastery of research methods, procedures and processes, development of critical and self-critical judgment,
- knowledge of employee safety and environmental protection,
- ability to analyze and synthesize virtual engineering work,
- developing communication skills with a focus on the international environment,
- ability to link different professional disciplines.

Subject-specific competences:

- ability to mathematically analyze and synthesize virtual engineering work,
- ability of mathematical analysis and application of mathematical knowledge in engineering,
- ability to understand and implement modern theories of development, technology and leadership,
- ability to develop virtual engineering of environmentally friendly products and devices,
- knowledge of the technical properties of materials,
- knowledge and use of comprehensive quality methods,

- project management skills,
- ability to transfer knowledge,
- competence in the development of IT production and technologies,
- mastering the processes and methods of reengineering and innovation,
- knowledge and development of intelligent products and devices and artificial intelligence,
- use of virtual modeling tools for products and devices,
- knowledge and ability to introduce logistics processes,
- Knowledge, development and management of energy systems and installations.

Assessment and completion

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

In order to progress to the second year, the student must achieve at least 45 credits from the first year, to progress to the third year at least 40 credits of the second year and all obligations from the first year, which equals 100 credits.

Transitions

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

Condition for obtaining certificate

The condition for completion of the study is the successful completion of all the study programme requirements in the total amount of 180 credits, as well as the preparation and successful defense of the thesis.

Awarding body

Faculty of Industrial Engineering Novo mesto

URL

http://www.fini-unm.si/en/front-page-2/