SLOVENSKO
OGRODJE
KVALIFIKACIJ

diplomirani inženir metalurgije (VS)/diplomirana inženirka metalurgije (VS)

Selected qualifications

Doktor znanosti/doktorica znanosti s področja socialne in politične psihologije	
Doktor znanosti/doktorica znanosti s področja senzorske tehnologije	
Compare Selected	Clear

Name of qualification
diplomirani inženir metalurgije (VS)/diplomirana inženirka metalurgije (VS)

Translated title (no legal status)
Bachelor of Applied Science of Metallurgy

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

The following candidates can be enrolled in the first-cycle professional bachelor study programme in Metallurgical Technology:
• who passed the matura,
• who has passed the vocational matura,
• who has passed the final examination in any four-year secondary school programme,
• who has successfully completed equivalent education abroa.

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 define, understand and creatively solve professional challenges.
- Developing the ability to think critically, analytically and synthetically.
- Developing professional responsibility and ethics.
- Ability to communicate professionally and in writing, including the use of a foreign professional language.
- Ability to use modern research equipment and information and communication technology.
- Ability to use the acquired knowledge in independent solution of technical problems and search for innovative and inventive proposals in the field of improvement of metallurgical technologies.
- Ability to find sources, critically assess information, independently upgrade acquired knowledge and deepen knowledge in individual specialized areas of metallurgical technologies.
- They have acquired such a standard of knowledge and competences with which they will be able to enter the second cycle of sets of lectures or programmes at the university level.
- Ability to work in a group and interdisciplinary networking.
- Ability to understand management principles and understand business practices.
- Adherence to safety, functional, economic and environmental principles in their work.
- Adherence to the Engineering Code.

Subject-specific competences:

- in-depth knowledge of mathematics, physics and chemistry with a developed ability to think naturally;
- mastery of basic expertise essential for the field of Metallurgical Technologies with a developed ability of technical and innovative thinking;
- ability to work in the laboratory using standard methodologies and providing a written study, with a

critical assessment of the results of testing to assess;
- collect and interpret relevant technological data and develop a critical professional, economic and environmental view of them;
- to participate expertly in the improvement or intensification of existing technologies and in the preparation of studies of new investments with professional and experiential views;
- be able to transfer the results of scientific and research pre-studies into applied technology;
- develop the ability to have a holistic view of technological processes of the process chain type
- ability to provide information to a well-informed professional public in the Slovenian language;
- ability to lead small work teams and communicate with production and operational persons
- ability to meet the conditions for initial employment in the general workplace in industry and development departments, which includes the field of manufacture and use of materials;
- developed learning skills for the use of teaching aids (also in English)

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 can progress to the second year if they have achieved 49 ECTS by the end of the academic year. To progress to the third year, they must have completed all obligations from the first year (60 ECTS) and collected 49 credit points from the second year.

Transitions

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

Condition for obtaining certificate

To complete the first level professional bachelor study programme, students must complete study obligations in all subjects of the enrolled study programme, complete obligations in the amount of 180 ECTS and prepare and successfully defend a diploma thesis in accordance with the provisions of the Rules adopted by the Senate of the Faculty of Natural Sciences and Engineering in Ljubljana.

Awarding body

University of Ljubljana, Faculty of Natural Sciences and Engineering

URL

https://www.ntf.uni-lj.si/omm/en/study/bachelors-degree/metallurgical-technology/