SLOVENSKO
OGRODJE
KVALIFIKACIJ

Diplomirani inženir tehnolog (vs)/diplomirana inženirka tehnologinja (vs)

Selected qualifications

Name of qualification	Diplomirani inženir tehnolog (vs)/diplomirana inženirka tehnologinja (vs)
Translated title (no legal status)	Bachelor of Applied Science in technology
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 metalurgija, strojništvo in kovinarstvo

Qualification level

SQF 7
EQF 6
First level

Learning outcomes

The qualification holder will be able to:

(general competences)

- record and analyse a problem and anticipate
- operational solutions in the technological sense or in the organisation and management process,
- use standard development methods, procedures and processes;
- apply acquired theoretical knowledge in practice
- demonstrate mastery of development and progress;
- demonstrate autonomy in professional work in the field of technologies and systems;
- demonstrate knowledge and understanding of social systems in a business environment;
- develop communication skills and abilities in the domestic and international business environment;
- use foreign technical language in its spoken and written forms;
- demonstrate cooperativeness and the ability to work as part of a team;
- demonstrate understanding of diversity and the global and social influence of technologies on the environment;
- demonstrate a commitment to professional ethics;

(subject-specific competences)

- demonstrate understanding of and apply modern theories in engineering, technology and science disciplines;
- demonstrate mathematical understanding of technical problems and use mathematics to resolve them;
- design, implement and manage projects involving mechanical, thermal and CNC technologies;
- integrate knowledge in an interdisciplinary manner;
- resolve specific work problems relating to technologies and systems using standard technical methods and procedures;
- demonstrate familiarity with the mechanical and chemical properties of materials, their use and processing methods;
- demonstrate familiarity with, plan, introduce and manage automation and robotisation;
- develop professional skills and expertise in the field of technologies and systems;
- draw up, monitor and manage technical documentation;
- use ICT on a constant basis in their own professional field;
- demonstrate familiarity with, apply and monitor TQM methods in technologies, manufacturing and logistics;
- demonstrate knowledge and understanding of the institutional frameworks of work (legislation);
- organise and lead a department or team;

- communicate professionally with interest groups (suppliers, customers, competitors, experts from various fields, politicians etc.);
- provide advice (transfer of knowledge);
- plan and implement experiments and correctly select sensors to measure physical variables in various technological processes;
- actively and critically monitor the development of new methods of the use of materials in the field of technologies and systems, with an emphasis on ecology.

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 mastered the knowledge prescribed by the programme and completed other first-year course units (lectures, practical classes, project seminar), for a total of at least 45 credits.
In order to progress to the third year, students must have mastered all knowledge prescribed by the programme for the first year and completed other first-year course units, and have mastered knowledge prescribed for the second year and completed second-year course units (lectures, practical classes, project seminar), for a total of at least 105 credits.

Transitions

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

Condition for obtaining certificate

In order to complete the programme, students must successfully complete all course units prescribed by the programme and write and successfully defend a bachelor's project thesis. In order to complete the programme, students must complete all 180 credits prescribed by the study programme.
If a student has enrolled in the second year (under transition criteria), he or she must complete at least 120 credits at the higher education institution (at least 60 credits if he or she has enrolled in the third year). The remaining credits are transferred from other educational institutions, obtained through mobility at home or abroad, or obtained through recognition of knowledge and skills acquired before enrolment.
On completion of the programme, students receive a diploma, which is a public document, and a diploma supplement.

Awarding body

University of Novo mesto Faculty of mechanical engineering

URL

https://fs.uni-nm.si/en/bachelor_s_degrees_1st_cycle/