SLOVENSKO
OGRODJE
KVALIFIKACIJ

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

Selected qualifications

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

Name of qualification	Diplomirani inženir strojništva (VS)/diplomirana inženirka strojništva (VS)
Translated title (no legal status)	Bachelor of Applied Science in mechanical 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

In order to enrol in the first year of full-time or part-time higher education study programme Engineering and Vehicles, candidates must, on the basis of Article 38 of the Higher education law (Official Journal of the Republic of Slovenia, no. **100/04**):
• have completed matura or
• have completed vocational matura or school-leaving examination under a 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:

- ability to analyse and drawing conclusions in problem-solving in the technical field,
- ability to master modern methods, procedures and processes,
- competence for critical assessment,
- ability to apply theoretical knowledge in practice,
- autonomy in professional work,
- knowledge of social systems in business world,
- development of communication skills in the domestic and international business world using Slovenian and foreign languages,
- competence for teamwork and project management,
- ability to integrate and apply knowledge from different fields,
- ability to adhere to professional ethics,
- ability to make continuous business progress,
- knowledge of professional terms - terminology,
- knowledge and use of information and communication technology with sets of software tools and computer systems and e-commerce,
- knowledge and consideration of occupational health and safety,
- knowledge and ability to apply knowledge in the field of motivation and conflict resolution.

Subject-specific competences:

- ability to understand and apply modern theories of production, technology and development,
- ability to understand mathematically, especially in the fields of statistics, probability and technique, and use in practice - applications,
- ability to interdisciplinary integrate knowledge of different subjects,

- knowledge of the technical characteristics of materials and products,
- knowledge and introduction of information and communication technologies,
- knowledge and application of methods of overall quality of products and services,
- knowledge of technology and business law,
- ability to lead works,
- ability to communicate with suppliers, customers, competitors ...,
- ability to transfer knowledge to partners,
- ability to get to know the business of companies,
- knowledge of organizational structures and process organization,
- knowledge of marketing as a fundamental business process,
- knowledge of labor law,
- developing and introducing new technical processes and processes,
- the ability to ensure that products and processes comply with regulatory requirements,
- knowledge of product maintenance methods,
- knowledge of the methods of monitoring the product sold,
- knowledge of specificities in the development of the automotive industry,
- ability to diagnose and repair production facilities,
- knowledge and management of energy machines and appliances.

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

To progress from the first to the second year, students must achieve at least 45 ECTS from the first year; if a student enrolls in year 2 after completing his or her studies at a professional higher education programme accepted after January 1, 1994, he / she must pass the prescribed differential exams by the time of enrollment in year 3.

Transitions

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

Condition for obtaining certificate

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

Students who enroll in the Engineering and Vehicles programme in the second year after completing his or her studies at a professional higher education programme accepted after 1 January 1994 must complete all the required differential exams and full-time study obligations of the second and third year in the amount of at least 120 ECTS credits.

If a student enrolls in the third year after completing his or her studies at a higher education programme accepted before 01.01.1994, he / she must complete all the prescribed differential exams and full-time third year study requirements of at least 60 ECTS credits.

The studies are completed by preparing and orally defending a thesis.

Awarding body

Faculty of Industrial Engineering Novo mesto

URL

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