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

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## Selected qualifications

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| <b>Name of qualification</b>              | Diplomirani inženir strojništva (VS)/diplomirana inženirka strojništva (VS) |
| <b>Translated title (no legal status)</b> | Bachelor of Applied Science in mechanical engineering                       |
| <b>Type of qualification</b>              | Diploma prve stopnje (VS)   |
| <b>Category of qualification</b>          | Izobrazba   |
| <b>Type of education</b>                  | Professional bachelor's education   |
| <b>Duration</b>                           | 3 years   |
| <b>Credits</b>                            | 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/>

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