

STUDY PROGRAMME MECHANICAL ENGINEERING

Content selection is offered to students. The system of credit evaluation according to ECTS enables students' mobility in Slovenian and European education area. Due to the practice orientation of the programme, you can gain work experience in the course of studies. Be successful!

HOW MANY STUDENTS WILL BE ADMITTED THIS YEAR?

50 enrolment places for full and part-time studies respectively, are available in this academic year.

ADMISSION REQUIREMENTS

Admission to the study programme is allowed to candidates who have passed a final examination in any upper secondary school (including vocational-technical programmes), or gimnazija (general upper secondary school), vocational course or any other programme to acquire upper secondary education.

APPLICATION PROCEDURE

You apply by using the online application form available at www.vss-ce.com/vps. A completed enrolment application form must be printed, signed and sent by registered post, with all the supplemental documents, by the application deadline set by the call for enrolment of the Higher Vocational College Postojna, to the application services:

Šolski center Celje, Višješolska prijavna služba, Pot na Lavo 22, 3000 Celje.

Only one application form can be sent, in which you can list, in preferential order, up to three study programmes according to your wishes.

PROGRAMME DURATION

The study is for the period of 2 years in duration and is valued at 120 credit points according to ECTS.

LOCATION

Lectures take place on the premises of the Higher Vocational College Postojna, at 2 Ljubljanska ulica, and in the laboratories in School Centre Postojna, at 2 Cesta v Staro vas, in Postojna.

PRACTICAL TRAINING

Every academic year comprises 400 hours of practical training in companies (10 weeks), which is organized with the help of the school.

MECHANICAL ENGINEER

Mechanical Engineer is currently one of the most desirable professions since mechanical engineers obtain a variety of useful competences during their studies: they master planning and organization of work, respect safety and environmental rules, systematically approach problem solving.

OBJECTIVES OF THE STUDY PROGRAMME

- educate engineers with a broad generic and specific knowledge in the field of mechanical engineering,
- provide students with vocational specific competences,
- develop the ability to effectively participate in technological and production processes in the workplace,
- develop vocational and professional responsibility,
- learn flexibility and adaptability to change

VOCATIONAL SPECIFIC COMPETENCES

Students are able to apply their theoretical knowledge to function effectively in the workplace. They use the knowledge of materials, technologies, modeling and new products, economics, communication, management of running a business; they use their knowledge of mechanics for dimensioning of structural elements. They construct tools and simple energy systems, lead preventive maintenance of machines, plan the automation of production processes; they are trained for management and computer-aided manufacturing.

Come and choose to study Mechanical Engineering.
Head of the Higher Vocational College Postojna
Nada Vadnov, BA



ŠOLSKI CENTER POSTOJNA

VIŠJA STROKOVNA ŠOLA

**MECHANICAL
ENGINEERING**



COMPLETION OF EDUCATION

After the successful fulfilment of the study requirements, students are required to pass the diploma exam which consists of a thesis and its oral defence. The Diploma Supplement provides the graduates with better opportunities of labour mobility. Upon the successful completion of education, a diploma is issued by the Higher Vocational College, which certifies graduates that they completed their post-secondary vocational education of the SQF level 6/1 and the professional title is **Engineer of Mechanical Engineering.**

TUITION FEE

Full-time studies are free of charge.

ACCESS TO FURTHER STUDY

After obtaining the short-cycle higher vocational programme degree, students can continue their studies at some of the professional higher education institutions (SQF level 6/2).

Curriculum for the 1st Year of the Programme Mechanical Engineering

| Module/subject | Compulsory/optional | Number of hours | | | Total | Credit points |
|--|---------------------|-----------------|----|----|-------|---------------|
| | | LE | SE | LW | | |
| COMMUNICATIONS | com. | | | | | |
| Professional Terminology in a Foreign Language | com. | 48 | 36 | | 84 | 6 |
| Business Communication and Management | com. | 48 | | 36 | 84 | 6 |
| Computer Science | com. | 24 | | 48 | 72 | 6 |
| SUBJECTS NOT INCLUDED IN MODULE | com. | | | | | |
| Mechanics 1 | com. | 36 | 24 | 12 | 72 | 5 |
| Electrical Engineering | opt. | 36 | | 24 | 60 | 5 |
| Machine Elements | opt. | 36 | | 24 | 60 | 5 |
| Computer-aided design | opt. | 12 | | 48 | 60 | 5 |
| FUNDAMENTALS | com. | | | | | |
| Materials | com. | 36 | 12 | 12 | 60 | 5 |
| Work Safety and Environmental Protection | com. | 24 | 12 | | 36 | 3 |
| Technical Regulations and Product Planning | com. | 36 | | 36 | 72 | 6 |
| Practical Training 1 | com. | | | | 400 | 13 |

Curriculum for the 1st Year of the Programme Mechanical Engineering

| Module/subject | Compulsory/optional | Number of hours | | | Total | Credit points |
|--|---------------------|-----------------|----|----|-------|---------------|
| | | LE | SE | LW | | |
| OPERATIONS AND PROCESSES | com. | | | | | |
| Business Administration | com. | 48 | 24 | 12 | 84 | 7 |
| Quality and Reliability of Processes | com. | 36 | 12 | 24 | 72 | 5 |
| TECHNOLOGIES | com. | | | | | |
| Mechanics 2 | com. | 60 | | 12 | 72 | 5 |
| Technology | com. | 48 | | 48 | 96 | 7 |
| STUDENT CHOOSES | | | | | | |
| Automation | opt. | | | | | |
| Automation and Robotics | | 48 | | 48 | 96 | 7 |
| Energy engineering module | opt. | | | | | |
| Energy Engineering | | 48 | | 48 | 96 | 7 |
| STUDENT CHOOSES | | | | | | |
| Toolmaking | opt. | | | | | |
| Tool Design and Construction | | 48 | 24 | 36 | 108 | 7 |
| Toolmaking and Maintenance | | 36 | | 36 | 72 | 5 |
| Manufacturing | opt. | | | | | |
| Production Planning and Control | | 48 | 24 | 36 | 108 | 7 |
| Computer-aided Manufacturing | | 24 | | 48 | 72 | 5 |
| Maintenance | opt. | | | | | |
| Maintenance of Machinery and Equipment | | 48 | 24 | 36 | 108 | 7 |
| Maintenance of Energy Installations | | 36 | | 36 | 72 | 5 |
| Practical Training 2 | com. | | | | 400 | 13 |
| DIPLOMA EXAMINATION | com. | | | | | 5 |

Modules will be carried out according to students' interests.

ŠOLSKI CENTER POSTOJNA
Višja strokovna šola
Ljubljanska cesta 2, 6230 Postojna
Tel: 05/ 721 23 30 in 05/ 721 23 31
Fax: 05/ 721 23 34

<http://www.vspo.si>
e-mail: vs.postojna@guest.arnes.si

