
Tehnik mehatronike/tehnica mehatronike

Selected qualifications

Name of qualification	Tehnik mehatronike/tehnica mehatronike
Translated title (no legal status)	Mechatronic Technician
Type of qualification	Srednja strokovna izobrazba
Category of qualification	Izobrazba
Type of education	Upper secondary technical education
Duration	2 years
Credits	120 credits

Admission requirements

The programme can be attended by anyone who has completed the programme of secondary vocational education and acquired one of the following titles:

- industrial mechanic, electrician/energetic engineer, electrician/electronic engineer, electrician, computer operator, car mechatronic, car mechanic, toolmaker, metal sharper, metal sharper-toolmaker construction mechanic, precision mechanic, installer of machine installations, metal construction maker, watchmaker, goldsmith, construction machinery operator, graphic operator, mechanic of agricultural and work machinery, geo-operator miner
- has completed equivalent education in line with previous regulations.

ISCED field

Field
Tehnika, proizvodne tehnologije in gradbeništvo

ISCED subfield

subfield interdisciplinarne izobraževalne aktivnosti/izidi, pretežno tehnika, proizvodne tehnologije in gradbeništvo

Qualification level

SQF 5
EQF 4

Learning outcomes

The holder of the certificate is qualified to:

- use and understand technical plans;
- use information systems in technological processes;
- provide for automation of technological processes for maintaining technological systems;
- determine lifting and load capacity of construction elements;
- use hydraulic and mechanical elements or systems, and electrical machines or appliances;
- construct mechatronic systems and plan assembly and disassembly of mechatronic systems;
- diagnose errors and perform simple repairs of mechatronic systems;
- programme less complex applications in different programme languages;
- integrate the information system with production process;
- maintain equipment and applications by integrating information system with production processes;
- design controls and regulations, and plan pneumatic and hydraulic controls;
- use and plan digital wiring, microcontroller, PLC control and sensory elements.

In addition, the holder of the certificate also upgraded his/her key professional skills and competences with key general knowledge and skills in line with national standards.

Assessment and completion

Students' vocational abilities and skills and the fulfilment of conditions to obtain credits in accordance with

the relevant education programme are established through verification and assessment. Assessment of students also takes into account non-formally acquired knowledge, which must be adequately demonstrated. Students are assessed using grades from 5 (excellent) to 1 (inadequate).

Transitions

Matura/vocational course, higher vocational education (SQF level 6), professional higher education (SQF level 7) and academic higher education (SQF level 7)

Condition for obtaining certificate

Students must successfully (i.e. with passing grades) complete all general education subjects, compulsory vocational modules, elective vocational modules and the open part of the curriculum. They must also complete extracurricular activities and work placement requirements and pass the vocational matura examination. The vocational matura comprises a compulsory section (written and oral examinations in Slovene and mechatronic) and an elective section (written and oral examination in a foreign language or mathematics and a product/service with oral presentation).

Awarding body

Vocational and technical secondary schools and adult education institutions.

URL

<https://paka3.mss.edus.si/registriweb/ProgramPodatki.aspx?ProgramId=6444>
