

Archived

Mehatronik operator/mehatroničarka operaterka

Selected qualifications

Mizar/mizarka ✖

Name of qualification	Mehatronik operator/mehatroničarka operaterka
Translated title (no legal status)	Industrial Mechanic
Type of qualification	Srednja poklicna izobrazba
Category of qualification	Izobrazba
Type of education	Upper secondary vocational education
Duration	3 years
Credits	180 credits

Admission requirements

- Elementary school education or
- lower vocational education or
- equivalent education under 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 4
EQF 4

Learning outcomes

Certificate holders will be able to:

- implement control functions on a machine or production line;
- manage and set process, electrical and mechanical variables and parameters;
- control more complex parameters of the work process and operate a machine controller with the help of synoptic displays and input/output control elements;
- ascertain the loads of mechanical elements and their function in the machine;
- monitor and record complex measuring parameters of the machine or line and identify basic control elements of the machine;
- prepare a machine for start-up, detect and localise faults in a machine, repair damage to a machine and replace damaged components with original spare parts;
- monitor the operation of a machine, clamp and feed material into a machine, control the work process, rectify simple stoppages of the work process, carry out basic maintenance;
- inspect the general state of a machine and power sources and carry out simple maintenance (cleaning, lubricating);
- use computer applications, evaluate costs and ensure a well-regulated working environment;
- apply standards, observe rules and regulations on health and safety at work and environmental protection;
- draw up technical documentation and technical instructions using information and communication technologies;

Elective:

Assembly and testing of mechatronic systems

- assembly and disassembly of simple mechatronic systems;

Maintenance and repair of mechatronic systems

- maintain and repair mechatronic systems.

Certificate holders build on their key vocational knowledge and abilities with key general knowledge 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 scores from 5 (excellent) to 1 (inadequate).

Progression

Adult learners may progress to the next year if at the end of the academic year they achieve a passing grade in all general education subjects and vocational modules from the school's operational curriculum for the year and have completed all extracurricular activities and all work placement requirements.

Transitions

Secondary technical, vocational or vocational-technical education; master craftsman/foreman/shop manager examination (SQF level 5)

Condition for obtaining certificate

In order to complete the programme and obtain the qualification, adult learners must obtain passing grades in: general education subjects, compulsory technical modules, elective technical modules and the open part of the curriculum. They must also complete extracurricular activities and work placement requirements and pass a school-leaving examination.

The school-leaving examination comprises a written and oral examination in Slovene, a product/service and an oral presentation.

Awarding body

Vocational and technical secondary schools and adult education institutions

URL

<https://paka3.mss.edus.si/registriweb/ProgramPodatki.aspx?ProgramID=7846>
