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# Mehatronik operater SI/mehatroničarka operaterka SI

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## Selected qualifications

Name of qualification	Mehatronik operater SI/mehatroničarka operaterka SI
Translated title (no legal status)	Industrial Mechanic SI
Type of qualification	Srednja poklicna izobrazba
Category of qualification	Izobrazba
Type of education	Upper secondary vocational education
Duration	3 years
Credits	189 credits
Admission requirements	<ul style="list-style-type: none"><li>• Elementary education or</li><li>• lower vocational education or</li><li>• equivalent education under previous regulations.</li></ul>

## 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:

- assemble and test mechatronic systems,
- assemble and disassemble simple mechatronic systems;
- maintenance and repair of mechatronic systems,
- maintain and repair mechatronic systems.

The programme is adapted for provision in Slovene as the language of instruction in the ethnically mixed area of Slovenian Istria and also has the following special objectives:

- to develop communication skills in Italian and Slovene,
- to develop knowledge of the natural, cultural and historical heritage of the Italian national community and its mother nation,
- to teach respect for and understanding of ethnic and cultural diversity and promote cooperation between members of the Slovene nation and Italian national community. Certificate holders build on their key vocational knowledge and abilities with key general knowledge in line with national standards.

## Assessment and completion

Students' vocational competences and skills, and the fulfilment of conditions to obtain credits in accordance with the education programme are established through testing 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

Students may progress to the next year if at the end of the academic year they achieve a positive assessment in all general education subjects and relevant vocational modules set out in the school's operational curriculum and have completed all extracurricular activities and work placement requirements.

## Transitions

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

## Condition for obtaining certificate

Students must successfully (i.e. with positive scores) complete general education subjects, compulsory and 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 healthcare) and an elective section (written and oral examination in mathematics, a foreign language or Italian, and service with oral presentation).

## Awarding body

Secondary vocational and technical schools.

URL

<https://paka3.mss.edus.si/registriweb/ProgramPodatki.aspx?ProgramId=8831>

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