SLOVENSKO
OGRODJE
KVALIFIKACIJ

# Oblikovalec kovin-orodjar SI/oblikovalka kovin-orodjarka SI

## Selected qualifications

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| **Name of qualification** | Oblikovalec kovin-orodjar SI/oblikovalka kovin-orodjarka SI |
| **Translated title (no legal status)** | Metal shaper/toolmaker 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** | • Elementary education or<br>• lower vocational education or<br>• equivalent education under previous regulations. |
| **ISCED field** | Field<br>Tehnika, proizvodne tehnologije in gradbeništvo |

## ISCED subfield

subfield  metalurgija, strojništvo in kovinarstvo

## Qualification level

SQF 4
EQF 4

## Learning outcomes

Certificate holders will be able to:

- carry out various manual and mechanical processes for cutting, forming and joining metallic and non-metallic materials;
- manufacture products, change tools and workpieces and set technological parameters on conventional and CNC machines;
- carry out hot and cold forming processes with an emphasis on sheet metal, profiles and pipes;
- select the appropriate material, machine tool and machining process with regard to the requirements of the product;
- select or order the appropriate cutting tool and equipment for a machine tool;
- use the measuring and control devices, tools and machines that are used in the manufacture and assembly of structures;
- use appropriate measuring devices to take technical and technological measurements;
- assemble, protect and maintain steel structures;
- plan, assemble, connect and operate simple control systems and work processes or systems;
- produce, read and understand simple technical documentation;
- implement protective measures for safe work and actively protect own health;
- show a positive attitude towards measures to reduce pollution, improve protection of the environment and promote the rational use of energy and materials;
- use modern information technology and user software in their occupational field (word processor and spreadsheets, email, control software for machines, diagnostic devices, monitoring of production/work); - demonstrate understanding of the role of entrepreneurship, cost control and calculations;

(elective):

- manufacture simple machine parts using various machines and cutting processes;
- select special machining and manufacturing processes for the desired product or intermediate product;
- select a suitable technological process and manufacture the component parts of tools using the machines, tools and devices that are used in toolmaking;
- manufacture, assemble and test tools and preparations for the installation, set-up and orientation of measuring and control components of a tool assembly.

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=8833