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# Izdelovalec/izdelovalka kovinskih konstrukcij

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## Selected qualifications

Name of qualification	Izdelovalec/izdelovalka kovinskih konstrukcij
Translated title (no legal status)	Metal Construction Maker
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	<ul style="list-style-type: none"><li>• Elementary school 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

**Qualification level**SQF 4  
EQF 4**Learning outcomes**

The holder of the certificate is qualified to:

- use technology and technology procedures for the manufacture of constructions and metal construction elements;
- manufacture different steel construction products and install elements and semi-manufactured products correctly and safely;
- perform transport of construction parts, assemble, protect and maintain constructions and construction elements;
- treat load constructions and use testing procedures;
- correctly select materials and treatment process in the light of product requirements;
- perform basic procedures of welding by fire and soldering as well as sticking of metal and non-metallic materials;
- select appropriate burners, feeder materials and set welding parameters;
- prepare welding edges and clean welding surfaces in compliance with welding procedure requirements and perform visual and dimensional; control of components;
- carry out basic shredding methods, mechanical treatment of materials and corrosion preventing procedures;
- employ technical and technology documentation, technical regulations, standards, technical plans and manufacturer's instructions;
- choose and carry out technological treatment procedures, transformation or joining of materials in the light of material and the purpose of use;
- use measuring and control devices, tools and machines for construction manufacture and assembly;
- carry out and provide for measures aimed at health and safety at work, environment protection, fire safety and accident prevention;
- have a positive attitude towards measures aimed at pollution reduction and environment protection;
- estimate on rational energy use, use of energy resources and waste management;
- cooperate in a group, communicate in writing and orally with co-workers, experts and clients by employing basic professional terminology;
- use modern IT, work with resources, data and materials;
- think entrepreneurially, manage costs and calculations, act responsibly and socially in the working environment.

Optional:

- select materials and use different equipment for MIG/MAG and TIG welding procedures;
- carry out MIG/MAG/TIG welding procedures and manufacture simple welding compounds.
- use different arc-welding machines and choose basic and feeder elements;
- weld different joints and materials in different positions.
- assess the use of special welding procedures;
- conduct an ecological impact assessment on the use of individual machines, appliances and welding procedures.

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

S preverjanjem in ocenjevanjem se ugotavlja, kako dijak obvladuje poklicne zmožnosti, spretnosti in veščine ter kako izpolnjuje pogoje za doseganje kreditnih točk v skladu z izobraževalnim programom. Pri ocenjevanju dijaka se upošteva tudi neformalno pridobljeno znanje, ki mora biti ustrezno dokazano. Dijaki so ocenjeni z ocenami od 5 (odlično) do 1 (nezadostno).

## Progression

Students may progress to a higher year if at the end of the academic year they achieve a positive score in all general education subjects and technical modules for the year as set out in the school's operational curriculum, and have completed all extracurricular activities and practical on-the-job training, or progress on the basis of a programme faculty decision.

For students with individual learning agreements, passing an intermediate test is a condition for progression from the second year to the third year.

## 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 education and obtain the qualification, the student/apprentice must successfully pass with positive grades:

- general education subjects,
- mandatory professional modules,
- one of the optional professional modules,
- open part of the open curriculum.

In addition, he/she must complete:

- other forms of extracurricular activities (active citizenship and interest activities),
- obligations in practical training through work placement,
- intermediate test (applies to apprentice form of education and students with an individual learning contract in the school form of education),
- final exam.

The final exam includes:

written and oral examination of Slovenian language,  
presenting and defending a service

## **Awarding body**

Vocational and technical secondary schools and adult education institutions.

URL

<https://paka3.mss.edus.si/registriweb/ProgramPodatki.aspx>

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