

Archived

Izdelovalec/izdelovalka kovinskih konstrukcij

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">• Elementary school education or• lower vocational education, or• equivalent education under previous regulations.

ISCED field

Field
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:

- use technologies and technological procedures to make structures and the metal elements of structures;
- manufacture various steel-structure products and correctly and safely install components and intermediate products;
- transport parts of a structure, assemble, protect and maintain structures and components of structures;
- deal with structural loads and use testing methods;
- correctly select materials and procedures with regard to products requirements;
- carry out basic oxyacetylene welding, soldering and glueing procedures on metal and non-metal materials;
- select suitable welding torches and filler materials and set welding parameters;
- prepare weld seams and clean the welding surface with regard to the requirements of the welding process and carry out visual checks and measurements of the elements to be welded;
- carry out basic methods of cutting, mechanical working of materials and corrosion protection procedures;
- use technical and technological documentation, technical regulations and standards, technical drawings and manufacturers' instructions;
- select and implement a technological procedure for processing, forming or joining materials with regard to the type of material and the purpose of use;
- use the measuring and control devices, tools and machines that are used in the manufacture and assembly of structures;
- implement and provide for measures for occupational health and safety, environmental protection, fire safety and accident prevention;
- demonstrate a positive attitude towards measures to reduce pollution and improve protection of the environment;
- apply judgement on the rational use of energy, use of energy sources and waste management;
- work in a group and communicate in writing and orally with colleagues, experts and customers, using basic professional terminology;
- use modern IT and work with resources, data and materials;
- apply entrepreneurial thinking, manage costs and calculations, and conduct themselves responsibly and in a socially-oriented manner in the working environment;

(elective)

- select materials and use various devices for MIG/MAG and TIG welding processes;
- carry out MIG/MAG/TIG welding processes and make simple welded joints or products;
- use various machines for arc welding and select basic and filler materials;

- weld various joints and various materials in different positions;
- make judgements on the use of special welding processes;
- assess the environmental justification of the use of individual machines, devices and welding processes.

Certificate holders supplement 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 grades from 5 (excellent) to 1 (inadequate).

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

Students must successfully (i.e. with passing grades) complete all general education subjects, compulsory vocational modules and elective vocational modules and the open part of the curriculum. They must also complete all extracurricular activities, practical on-the-job training and pass a school-leaving examination.

The school-leaving examination comprises a written and oral examination in Slovene, a 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=5755>
