

1. TITLE OF THE CERTIFICATE AND OF THE EDUCATION PROGRAMME (SL) ⁽¹⁾

Spričevalo o zaključnem izpitu po izobraževalnem programu:

STROJNI MEHANIK

(ID: 999587)

⁽¹⁾ In original language.

2. TRANSLATED TITLE OF THE CERTIFICATE AND OF THE EDUCATION PROGRAMME (EN) ⁽¹⁾

**School-leaving certificate:
INDUSTRIAL MACHINERY MECHANIC**

⁽¹⁾ This translation has no legal status.

3. ACQUIRED KNOWLEDGE, SKILLS AND PROFESSIONAL COMPETENCES

The holder of the certificate is qualified to:

- maintenance of machinery and equipment in manufacturing processes and implementation of preventive checks of machinery, equipment and systems;
- take delivery of and install new or reconditioned drive units, work machinery and processing machinery;
- assemble, disassemble and maintain machinery, parts, assemblies, equipment and installations;
- prepare machinery for start-up and test machinery on start-up;
- monitor the measuring parameters of machinery or production lines and change settings in the case of a change in production;
- monitor the functioning of machinery and equipment and the energy supply and rectify simple stoppages in the work process;
- assess the serviceability and state of wear of individual parts, carry out repairs to machinery and replace defective parts;
- systematically seek and localise faults and carry out methodical diagnoses on machinery, assemblies, equipment and systems;
- maintain fluid power installations and ensure the effective functioning of fluid systems;
- use and maintain servicing tools, equipment and accessories;
- introduce and monitor a system of comprehensive maintenance and a quality assurance system;
- use technical and technological documentation, technical regulations and standards, technical drawings and manufacturers' instructions;
- select appropriate materials and processing with regard to product requirements;
- carry out various manual and mechanical processes for cutting, forming and joining metallic and non-metallic materials;
- design and manufacture simple machine parts and prefabricated elements using various processing technologies;
- carry out basic procedures of joining and cutting metallic and non-metallic materials and hot and cold forming processes;
- use the measuring and control devices, tools and machines that are used in the manufacture, assembly and maintenance of machinery;
- implement protective measures for safe work and fire safety and take active care to protect their own health and prevent accidents;
- demonstrate a positive attitude towards pollution reduction measures, environmental protection and waste management;
- apply judgement on the rational use of energy, energy sources and materials;
- use modern information technology and technical terminology in their professional field and work with sources and materials;
- demonstrate understanding of the role of entrepreneurship, costs management and calculations;

Optional:

- select and/or dimension basic elements of installations, monitor the functioning and maintenance of installations in machinery.
- maintain simple mechatronic systems, monitor their functioning and set mechanical, electrical and process variables and parameters.
- transport mechanical parts and structures and assemble, protect and maintain elements of machinery and structures.
- manufacture and assemble simple electrical installations, test electrical devices and measure electrical magnitudes.

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.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO HOLDER OF THE CERTIFICATE

The holder of the certificate can find employment in various positions in industrial, light industrial or service undertakings engaged in the manufacture, assembly, maintenance, control and repair of machinery and equipment in the manufacturing programmes of the metalworking industry.

⁽¹⁾ Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information available at: <http://europass.cedefop.eu.int>

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5. OFFICIAL BASIS OF THE CERTIFICATE	
<p>Name and status of the body awarding the certificate</p> <p>The institution is accredited with the Ministry of Education, Science and Sport.</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Ministry of Education, Science and Sport Masarykova 16 SI-1000 Ljubljana www.mizs.gov.si</p>
<p>Level of the certificate (national or international)</p> <p>Upper Secondary Vocational Education Slovenian Qualification Framework: SOK 4 European Qualification Framework: EQF 4 ISCED 2011: 353</p>	<p>Grading scale</p> <p>5 – excellent 4 – very good 3 – good 2 – sufficient</p>
<p>Access to next level of education/training</p> <p>A successfully completed education programme within secondary vocational education enables entrance into corresponding education programmes of vocational-technical education. After a certain number of years of work experience, it also enables one to pass a suitable master craftsman or foreman or shop manager exam.</p>	<p>International agreements</p> <p>The Republic of Slovenia has concluded agreements on the recognition of education with individual countries. The relevant information is available at ENIC/NARIC - the National Academic Recognition Information Centre.</p>
<p>Legal basis</p> <p>- Organisation and Financing of Education Act - Vocational and Technical Education Act</p>	
6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE	
Time of the education	3 years
Number of credits ¹	180 credits
General education	54 credits
Professional education	53 credits
Practical education at the employer ²	37 credits
Extracurricular activities	7 credits
Open curriculum ³	27 credits
Final examination	2 credits
<p>Entry requirements</p> <p>The programme can be attended by anyone who has completed the programme of primary education or lower vocational education or equivalent education in line with previous regulations.</p>	
<p>Additional information</p> <ul style="list-style-type: none"> - Ministry of Education, Science and Sport (www.mizs.gov.si): Education programme and description of education and schooling in Slovenia - National Reference Point for Vocational Qualifications - NRP (www.nrpslo.org) - National Europass Centre (www.europass.si) 	

¹ One credit equals 25 hours of candidate's work.

² The individual learning contract increases the scope of workplace-based education with the employer up to 53 weeks.

³ Goals of the open curriculum are defined by schools in cooperation with companies on a local/regional level.

7. MORE DETAILED DESCRIPTION OF EDUCATION

GENERAL EDUCATION:

1. Slovene (12 credits)
2. Mathematics (12 credits)
3. Foreign language (9 credits)
4. Art (2 credits)
5. Natural sciences (6 credits)
6. Social sciences (6 credits)
7. Physical education (7 credits)

PROFESSIONAL EDUCATION:

Mandatory Modules (47 credits)

1. Occupational technical communication (4 credits)
2. Materials and processing in the occupation (3 credits)
3. Construction elements (3 credits)
4. Organization and administration (3 credits)
5. Material processing (8 credits)
6. Fluid power and control mechanisms (7 credits)
7. Assembly and maintenance of machinery (12 credits)
8. Bonding (7 credits)

Optional Modules (6 credits)

9. Maintenance of installations in machinery (6 credits)
10. Maintenance and repair of mechatronic systems (6 credits)
11. Transport, assembly and protection of parts and structures (6 credits)
12. Electrical circuit connections (6 credits)

OPEN CURRICULUM (27 credits):

The open curriculum is determined by the school in cooperation with companies on the local level.

PRACTICAL EDUCATION:

1. Practical training in school
2. Practical training through work placement at the employer

EXTRACURRICULAR ACTIVITIES (7 credits):

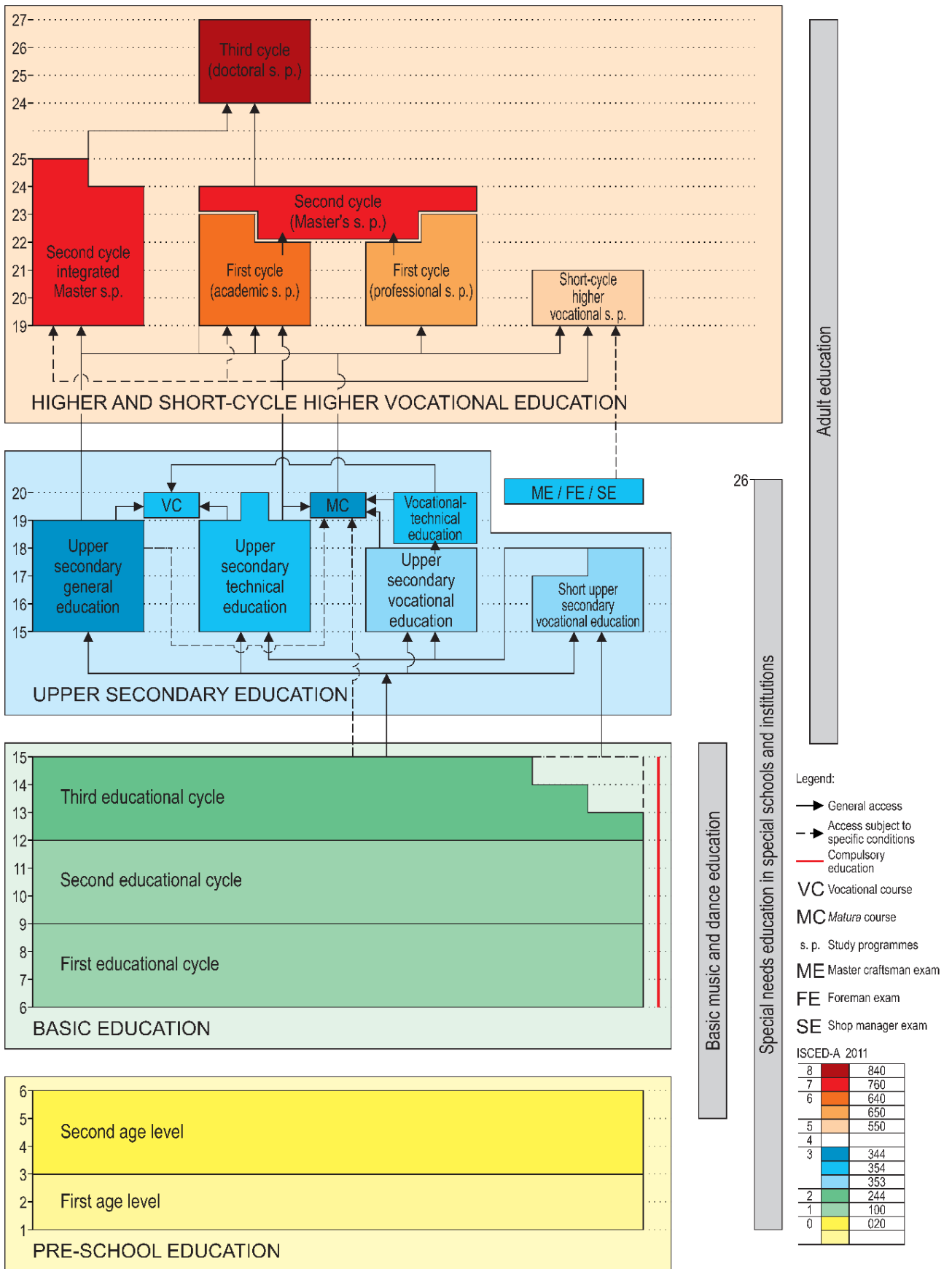
Extracurricular activities involve compulsory activities, programme-related content and electives.

FINAL EXAMINATION:

- written and oral examination of Slovenian language,
- presenting and defending a project or service (2 credits):

OTHER NOTES:

STRUCTURE OF THE EDUCATION SYSTEM IN THE REPUBLIC OF SLOVENIA



From school/academic year 2016/2017