

**1. TITLE OF THE CERTIFICATE AND OF THE EDUCATION PROGRAMME (SL) <sup>(1)</sup>****Spričevalo o poklicni maturi po izobraževalnem programu:****TEHNIK MEHATRONIKE**

(ID: 234227)

<sup>(1)</sup> In native language.**2. TRANSLATED TITLE OF THE CERTIFICATE AND OF THE EDUCATION PROGRAMME (EN) <sup>(1)</sup>****School-leaving certificate:  
TECHNICIAN OF MECHATRONIC**<sup>(1)</sup> This translation has no legal status.**3. ACQUIRED KNOWLEDGE, SKILLS AND PROFESSIONAL COMPETENCES**

The holder of the certificate is qualified to:

- use and understand technical plans;
- use information systems in technological processes;
- provide for automation of technological processes for maintaining technological systems;
- determine lifting and load capacity of construction elements;
- use hydraulic and mechanical elements or systems, and electrical machines or appliances;
- construct mechatronic systems and plan assembly and disassembly of mechatronic systems;
- diagnose errors and perform simple repairs of mechatronic systems;
- programme less complex applications in different programme languages;
- integrate the information system with production process;
- maintain equipment and applications by integrating information system with production processes;
- design controls and regulations, and plan pneumatic and hydraulic controls;
- use and plan digital wiring, microcontroller, PLC control and sensory elements.

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 at:

- industry or craft trade with industrial or technological processes;
- industry or craft trade employing automation of production processes;
- work establishments in maintenance and modification of production lines and appliances.

**<sup>(\*)</sup> 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><b>Name and status of the body awarding the certificate</b></p> <p>The institution is accredited with the Ministry of Education, Science and Sport.</p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>Ministry of Education, Science and Sport Masarykova 16 SI-1000 Ljubljana www.mizs.gov.si</p>
<p><b>Level of the certificate (national or international)</b></p> <p>Upper Secondary Technical Education Slovenian Qualification Framework: SOK 5 European Qualification Framework: EQF 4 ISCED 2011: 354</p>	<p><b>Grading scale</b></p> <p>5 – excellent 4 – very good 3 – good 2 – sufficient</p>
<p><b>Access to next level of education/training</b></p> <p>Education programme completed with the Vocational Matura exam enables enrolment to higher vocational and professional study programmes. Passing an additional General Matura exam is required to enrol to one of the university study programmes, which allow this possibility.</p>	<p><b>International agreements</b></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><b>Legal basis</b></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	2 years
Number of credits <sup>1</sup>	120 credits
General education	60 credits
Professional education	36 credits
Practical education at the employer	4 credits
Extracurricular activities	4 credits
Open curriculum <sup>2</sup>	12 credits
Vocational matura	4 credits
<p><b>Entry requirements</b></p> <p>The programme can be attended by anyone who has completed the programme of secondary vocational education and acquired one of the following titles: industrial mechanic, electrician/energetic engineer, electrician/electronic engineer, electrician, computer operator, car mechatronic, car mechanic, toolmaker, metal sharper, metal sharper-toolmaker construction mechanic, precision mechanic, installer of machine installations, metal construction maker, watchmaker, goldsmith, construction machinery operator, graphic operator, mechanic of agricultural and work machinery, geo-operator miner has completed equivalent education in line with previous regulations.</p>	
<p><b>Additional information</b></p> <ul style="list-style-type: none"> <li>– Ministry of Education, Science and Sport (<a href="http://www.mizs.gov.si">www.mizs.gov.si</a>): Education programme and description of education and schooling in Slovenia</li> <li>– National Reference Point for Vocational Qualifications - NRP (<a href="http://www.nrpslo.org">www.nrpslo.org</a>)</li> <li>– National Europass Centre (<a href="http://www.europass.si">www.europass.si</a>)</li> </ul>	

<sup>1</sup> One credit equals 25 hours of candidate's work.

<sup>2</sup> Goals of the open curriculum are defined by schools in cooperation with companies on a local/regional level.

## 7. A DETAILED DESCRIPTION OF EDUCATION

### GENERAL EDUCATION:

1. Slovene (13 credits)
2. Mathematics (10 credits)
3. Foreign language (13 credits)
4. Art (2 credits)
5. History (2 credits)
6. Geography (2 credits) or
7. Sociology (2 credits) or
8. Psychology (2 credits)
9. Physics (4 credits)
10. Chemistry (2 credits)
11. Informatics (3 credits)
12. Physical education (7 credits)

### PROFESSIONAL EDUCATION:

#### Mandatory Modules (36 credits)

1. Technical communication (2 credits)
2. Technological processes (2 credits)
3. Mechatronics (15 credits)
4. Information systems (7 credits)
5. Control and regulation systems (10 credits)

#### OPEN CURRICULUM (12 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

#### EXTRACURRICULAR ACTIVITIES (4 credits):

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

### VOCATIONAL MATURA:

Mandatory part:

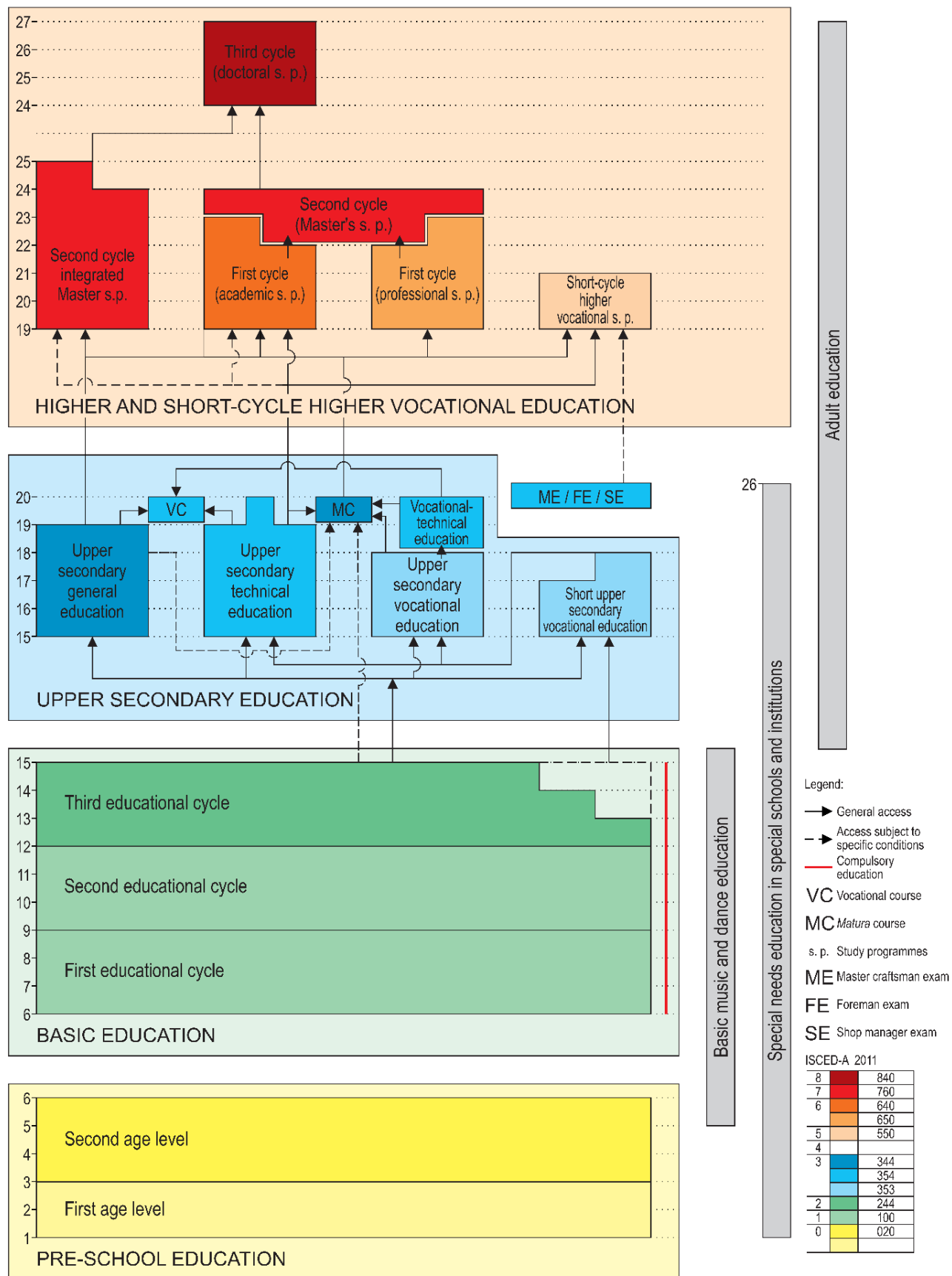
- written and oral exam of Slovenian language,
- written and oral exam in Mechatronics.

Optional part:

- written and oral exam in a Foreign language or Mathematics,
- presenting and defending a project or service (4 credits):

### OTHER NOTES:

# STRUCTURE OF THE EDUCATION SYSTEM IN THE REPUBLIC OF SLOVENIA



From school/academic year 2016/2017