

## 1. TITLE OF THE CERTIFICATE AND OF THE EDUCATION PROGRAMME (SL) <sup>(1)</sup>

**Spričevalo o zaključnem izpitu po izobraževalnem programu:  
UPRAVLJALEC TEŽKE GRADBENE MEHANIZACIJE  
(ID:674716)**

<sup>(1)</sup> In original language.

## 2. TRANSLATED TITLE OF THE CERTIFICATE AND OF THE EDUCATION PROGRAMME (EN) <sup>(1)</sup>

**School-leaving certificate:  
HEAVY CONSTRUCTION MACHINERY OPERATOR**

<sup>(1)</sup> This translation has no legal status.

## 3. ACQUIRED KNOWLEDGE, SKILLS AND PROFESSIONAL COMPETENCES

The holder of the certificate is qualified to:

- manage documents on the operation of machines and the consumption of fuel and lubricants;
- implement work with stable installations in concrete plants, treatment installations and asphalt mixing plants;
- implement horizontal and vertical transport at construction sites;
- sand, spread, level, fortify and install the final layer on superstructures;
- implement earthworks and demolition works using heavy construction machinery and tools;
- rationally use material, energy and time;
- use technical documents to conduct construction work and handle and maintain construction machinery;
- comply with health, safety at work and environmental protection principles;
- implement preventive maintenance and less demanding repairs of construction machinery.

Optional:

- implement earthworks with construction machinery and tools and perform basic maintenance.
- make and set up panels, disassemble panel constructions and maintain and store panelling elements.
- handle light construction machinery for implementing less demanding demolition work, transport and construction work on construction sites and at construction facilities.
- build using all basic types of bricks and blocks.
- install reinforcement in simple constructions and prepare and use concrete mixtures for concrete and reinforced concrete.
- assemble and disassemble various types of prefabricated scaffolding and maintain the component parts of prefabricated scaffolding.

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 companies and crafts dealing with the construction of facilities and buildings, excavation work and land clearing. Employment is possible in quarries, treatment installations, asphalt mixing plants and facilities producing construction material. Self-employment is also possible.

### <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 Vocational Education Slovenian Qualification Framework: SOK 4 European Qualification Framework: EQF 4 ISCED 2011: 353</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>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><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	3 years
Number of credits <sup>1</sup>	180 credits
General education	54 credits
Professional education	52 credits
Practical education at the employer <sup>2</sup>	40 credits
Extracurricular activities	6 credits
Open curriculum <sup>3</sup>	26 credits
Final examination	2 credits
<p><b>Entry requirements</b></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><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> The individual learning contract increases the scope of workplace-based education with the employer up to 53 weeks.

<sup>3</sup> 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 (44 credits)

1. Construction (10 credits)
2. Basic Construction Technology (8 credits)
3. Professional Drawing (4 credits)
4. Heavy Construction Machinery Operation (22 credits)

#### Optional Modules (8 credits)

5. Earthworks (4 credits)
6. Panels (4 credits)
7. Light Construction Machinery Operation (4 credits)
8. Bricklaying (4 credits)
9. Concrete and Reinforced Concrete Works (4 credits)
10. Prefabricated Scaffolding (4 credits)

### OPEN CURRICULUM (26 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 (6 credits):

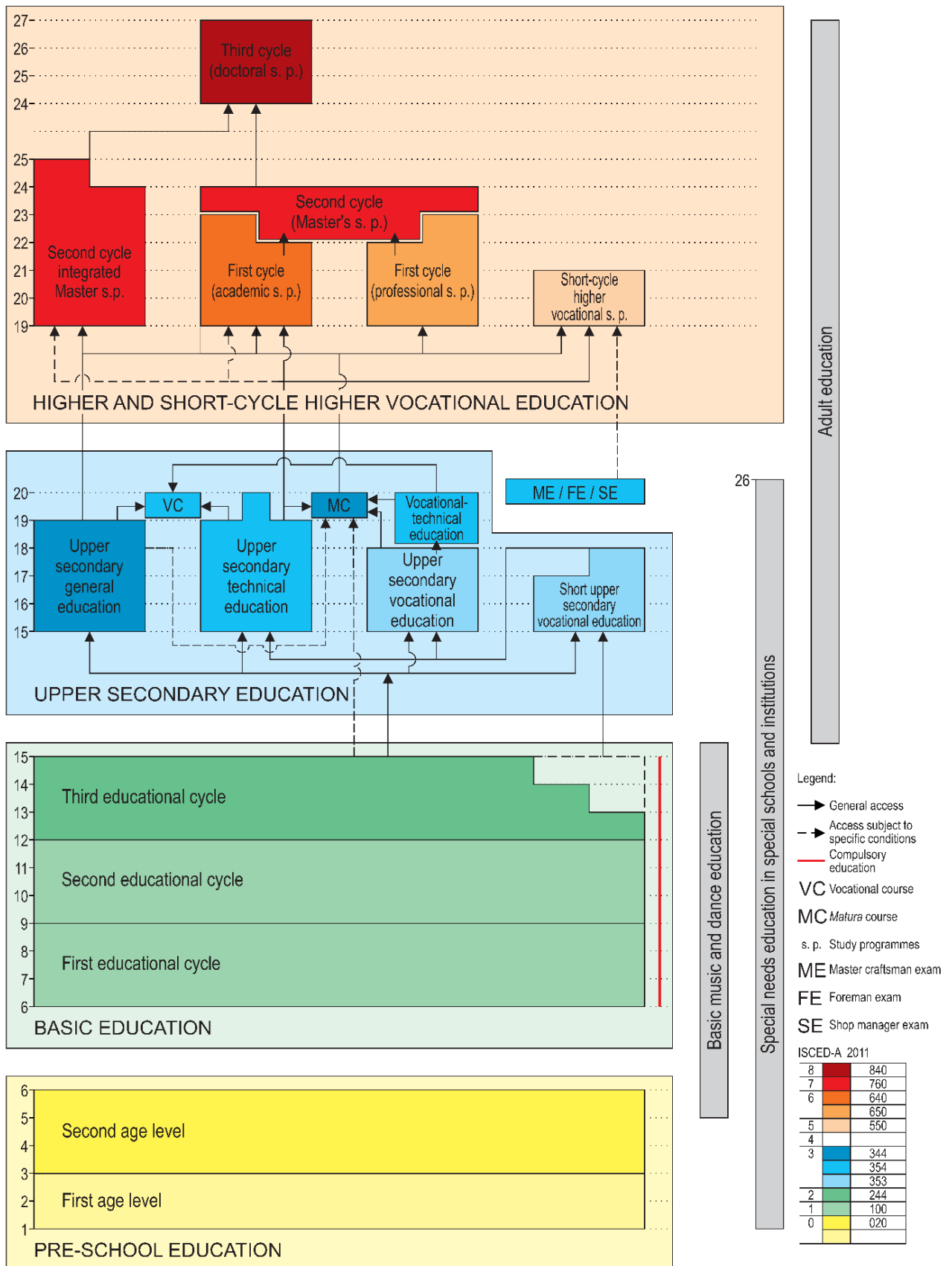
Extracurricular activities involve compulsory activities, programme-related content and electives.

### 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