

1. SCHOOL LEAVING CERTIFICATE FOR EDUCATIONAL PROGRAM (SL) ⁽¹⁾

Spričevalo o poklicni maturi po izobraževalnem programu:

ELEKTROTEHNIK (PTI)

(ID: 999828)

⁽¹⁾ In original language.

2. TRANSLATION OF SCHOOL LEAVING CERTIFICATE FOR EDUCATIONAL PROGRAM (EN) ⁽²⁾

Certificate with vocational matura for educational program:

ELECTROTECHNICIAN

⁽²⁾ In English.

3. ACQUIRED KNOWLEDGE , SKILLS AND PROFESSIONAL COMPETENCES

The holder of the certificate is qualified to:

- read, plan, elaborate, monitor and amend technical documentation in line with requisite instructions and by employing ICT;
- programme simple applications on programmable devices as well as programme, assemble and wire programmable relays;
- lay and wire different forms of electric and communication installations, connect users and carry out basic maintenance works;
- connect electric installation elements in switching, distribution and outlet-coupling devices as well as select and connect electrical protection;
- perform basic measurements and maintenance works of electrical and communication installations, interpret results and identify errors;
- set up necessary operating system settings and provide basic support to users when employing user software;
- connect, configure according to instructions and maintain industrial communication interfaces;
- adhere to measures for safe work with electrical appliances.

Optional:

- design and elaborate design documentation and obtain approvals;
- construct, install and connect elements, commission machines/installation systems;
- connect and test engines for safe operation, draw up measurement protocols and mechanically connect the engine on the powered machine;
- perform wiring, connecting, programming and setting up of parameters of primitives in control and regulation systems and carry out regulations;
- prepare and manage simple assembly and maintenance works on production and transmission facilities;
- perform less complex switching manipulations in power generation and transmission;
- connect, programme and maintain control and regulating systems;
- design automation installations using programmable logic controllers (PLC) and pneumatic and hydraulic components;
- design, assemble, programme and maintain a microprocessor system;
- use systems and technologies for communication between people, machines and other sources in his/her field of work, take into account interconnectedness of individual units of the automated system;
- send and receive data from buildings, devices which are connected to the workflow via internet, and act according to his/her field of work.

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 be employed in construction of electrical installations and production, transmission and sale of electricity (for learners who completed optional modules in energy and switching technology), or in manufacturing involving assembling, servicing and maintaining automation installations, in product checking, installing, servicing, maintaining and sale of electric and electronic devices and machines (for learners who completed optional modules in automation and electronics).

5. OFFICIAL BASIS OF THE CERTIFICATE	
<p>Name and address of the body awarding the certificate</p> <p>The institution is accredited with the Ministry of Education.</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Ministry of Education Masarykova 16 SI-1000 Ljubljana</p>
<p>Level of the certificate (national or international)</p> <p>Upper Secondary Technical Education Slovenian Qualification Framework: SOK 5 European Qualification Framework: EQF 4 ISCED: 0713</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>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>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 Slovenian Qualifications Framework Act Europass Decision</p>	
6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE	
Time of the education	2 year/s
Number of credits ¹	120 CP
General education	57 CP
Professional education	40 CP
Work base learning	3 CP
Other forms of education and training	4 CP
Open curriculum ²	12 CP
Vocational matura	4 CP
<p>Entry requirements</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: electrician, electrician/energetic engineer, electrician/electronic engineer, industrial mechanic, machine fitter, computer operator, car mechatronic, car mechanic or has completed another secondary vocational programme and has a minimum of three years of experience in electrical engineering or has obtained equivalent education in line with previous regulations.</p>	
<p>Additional information</p> <ul style="list-style-type: none"> - Ministry of Education: Education programme and description of education and schooling in Slovenia - Institute of the Republic of Slovenia for Education and Training (www.cpi.si) - National Europass Centre (www.europass.si) 	

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

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

7. MORE DETAILED DESCRIPTION OF EDUCATION AND TRAINING

GENERAL EDUCATION:

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

PROFESSIONAL EDUCATION:

Mandatory Modules

1. Electrotechnology (9 CP)
2. Programmable systems (5 CP)
3. Electronic circuits (5 CP)
4. Electrical measurements (5 CP)
5. Installations in electrical engineering (3 CP)

Optional Modules

1. Installation design in electrical engineering (3 CP)
2. Electro engine drive (3 CP)
3. Power generation and transmission (7 CP)
4. Controls and automation installations (7 CP)
5. Microprocessor systems (3 CP)
6. Data transfer (3 CP)

OPEN CURRICULUM (12 CP)

PRACTICAL EDUCATION AND TRAINING

1. Practical training in school: CP
2. Practical training at the employer: CP

OTHER FORMS OF EDUCATION AND TRAINING (4 CP)

VOCATIONAL MATURA

Mandatory part:

- written and oral exam: Slovene
- written and oral exam: Electrotechnology

Optional part:

- written and oral exam:
- presenting and defending a project or service (4 CP):

OTHER NOTES

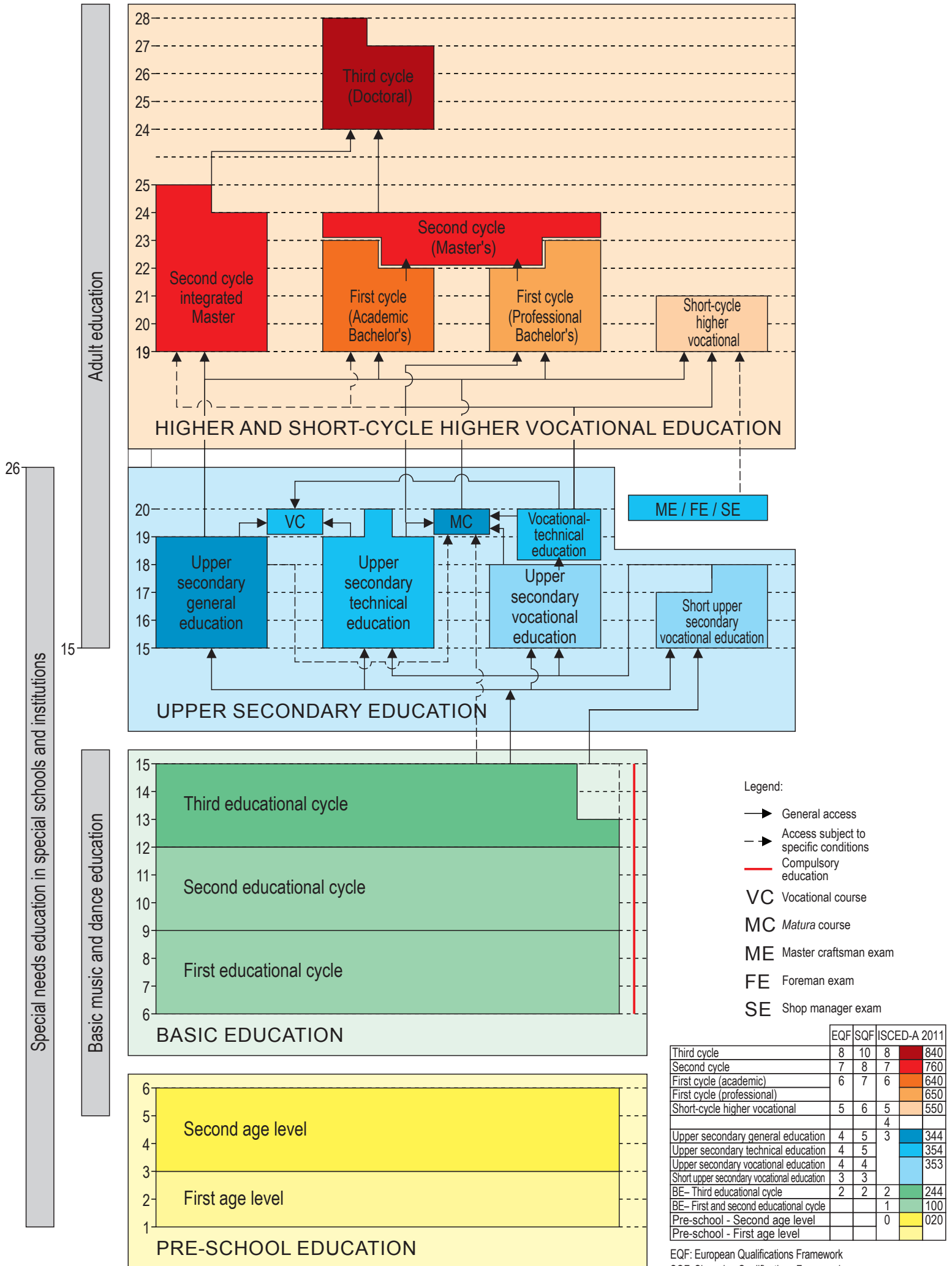
CERTIFICATE NO.:

HEADMASTER:

PLACE AND DATE OF ISSUE:

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STRUCTURE OF THE EDUCATION SYSTEM IN THE REPUBLIC OF SLOVENIA



From school/academic year 2017/2018