

Name and Head Office of the School Awarding the Certificate:

# CERTIFICATE SUPPLEMENT

VOCATIONAL MATURA

(Surname and first name)

(Date and place of birth)

Certificate No.:

Signature of the competent person:

Place and date of issue:

.....

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

**Spričevalo o poklicni maturi po izobraževalnem programu:  
TEHNIK ELEKTRONSKIH KOMUNIKACIJ**

(ID: 894516)

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

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

**School-leaving certificate:  
ELECTRONIC COMMUNICATIONS TECHNICIAN**

(ID: 894516)

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

3. ACQUIRED KNOWLEDGE, SKILLS AND PROFESSIONAL COMPETENCES

The holder of the certificate is qualified to:

- read, plan, create, monitor and amend technical documentation in accordance with the prescribed instructions and with the use of ICT;
- use work organisation concepts and economics concepts in the field of expertise;
- install, test, set up and start up servers and connect computer systems into local networks and internetworks;
- set up the necessary settings in an operation system;
- program simple applications on programmable devices;
- build a simple logic circuit and control;
- install, wire and program programmable relays (PLC);
- set up the parameters for optimum signal reception;
- incorporate and set up parameters for decoding systems;
- carry out highly demanding RA and TV broadcasts;
- build, install and maintain RDF devices;
- select and incorporate the necessary components in accordance with the signal strength and line type and set up the basic configurations;
- manage and program telephone systems;
- prepare technical solutions for telecommunication systems;
- verify traffic data;
- configure terminal equipment;
- program base stations and portable devices in mobile networks and manage mobile communications and control systems;
- lay, wire and carry out basic measurements and maintenance work in various types of electrical and communications installations;
- select and connect electrical protection systems: fuses, installation circuit breakers, RCD switches and safety switches;

Optional:

- configure and test equipment, monitor the functioning and analyse faults in telecommunication installations and cable conductors;
- connect, disconnect, test, monitor the functioning and eliminate faults in base stations and portable systems in the field under supervision;
- plan the route of overhead lines, underground lines and cable ducts and install the necessary protection systems;
- install antennas and installations in antenna systems, base stations, cable conductors, feeders and portable systems;
- configure computer and telecommunication networks;
- set up and manage AV devices and systems;
- conduct measurements and analyse and evaluate the measurement results for telecommunication equipment.

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:

- planning simpler electronic communication systems and preparing project work;
- maintaining electronic communication systems;

- setting up networks and connecting electronic communication devices, with optional modules in electronic communication installations;
- configuring and testing equipment, monitoring the functioning and analysing and eliminating faults in electronic communication systems, with optional modules in managing electronic communications.

**(<sup>1</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, Culture and Sports.</p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>Ministry of Education, Science, Culture and Sports            Masarykova 16            SI-1000 Ljubljana  <a href="http://www.mss.gov.si/">http://www.mss.gov.si/</a></p>
<p><b>Level of the certificate (national or international)</b></p> <p>Technical secondary education            European classification ISCED 3            National classification <sup>1</sup> KLASIUS-SRV: 15001            KLAISUS-P: 5233</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 a vocational matura exam enables entrance to study programmes in both higher and high specialist education. Upon an additional requirement in passing one of the general matura exams, as well as entrance to relevant university study programmes that enable 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 (Uradni list RS, no. 16/07 and 36/08)            Vocational and Technical Education Act (Uradni list RS, no. 79/06)</p>	
6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE	
Time of the education	4 years
Number of credits <sup>2</sup>	240 credits
General education	100 credits
Professional education	86 credits
Practical education at the employer	7 credits
Extracurricular activities	14 credits
Open curriculum <sup>3</sup>	29 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 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>- <a href="http://www.mss.gov.si/">Ministry of Education, Science, Culture and Sports (http://www.mss.gov.si/)</a>: Education programme and description of education and schooling in Slovenia</li> <li>- <a href="http://www.nrpslo.org">National Reference Point for Vocational Qualifications - NRP (http://www.nrpslo.org)</a></li> <li>- <a href="http://www.europass.si">National Europass Centre (www.europass.si)</a></li> </ul>	

<sup>1</sup> Classification system in education and training – KLASIUS (Official Journal of the Republic of Slovenia, No. 46/06) comprises two sub-systems: Classification of activity types/education and training results (KLASIUS-SRV) and Classification of activity areas/education and training results (KLASIUS-P).

<sup>2</sup> One credit equals 25 hours of candidate's work.

<sup>3</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 (24 credits)
2. Mathematics (19 credits)
3. Foreign language (20 credits)
4. Art (3 credits)
5. History (5 credits)
6. Geography (3 credits)
7. Sociology or psychology (3 credits)
8. Physics (6 credits)
9. Chemistry (3 credits)
10. Physical education (14 credits)

### PROFESSIONAL EDUCATION:

#### Mandatory Models in Specialist Education (62 credits)

1. Informatics and technical communication (6 credits)
2. The use of ICT in business (6 credits)
3. Managing programmable devices (8 credits)
4. Direct current and alternating current circuits (10 credits)
5. Wireless communications (8 credits)
6. Portable systems (8 credits)
7. Basic measurement techniques (10 credits)
8. Building electrical and communication installations (6 credits)

#### Optional Models in Specialist Education (24 credits)

1. Diagnosing and eliminating faults (8 credits)
2. System and network structure (8 credits)
3. The installation of a telecommunication network (8 credits)
4. Setting up a local telecommunication and computer network (8 credits)
5. Equipment for multimedia techniques (8 credits)
6. Systems measurement techniques (8 credits)

### OPEN CURRICULUM (29 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 (14 credits):

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

### VOCATIONAL MATURA:

Mandatory part:

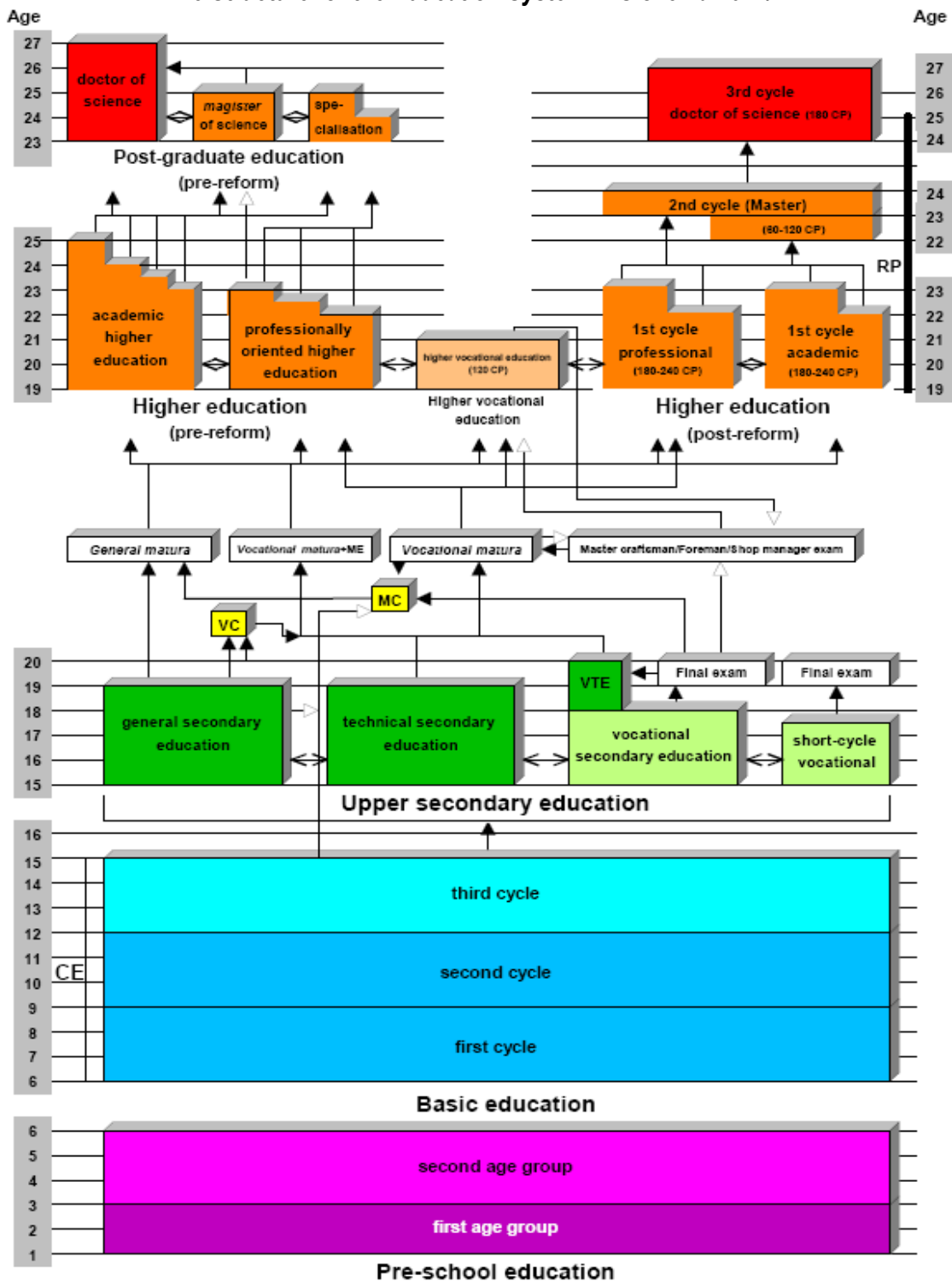
- written and oral exam of Slovenian language
- written and oral exam in Electronic communications.

Optional part:

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

### OTHER NOTES:

## The Structure for the Education System in Slovenia 2011/12



**Legend:** CE - compulsory education    RP - study programmes according to EU directives (regulated professions)    CP - credit points  
 ← general access    ◁ access under certain conditions    VTE - vocational-technical education    VC - vocational course  
 ↔ transfer    MC - matura course    ME - additional exam in one matura subject