

## 1. Title of the certificate (HR) and programme number <sup>(1)</sup>

**Tehničar za elektroniku**

(041404)

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

## 2. Translated title of the certificate (EN) <sup>(1)</sup>

**Electronics Technician**

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

## 3. Profile of skills and competences

### A) GENERAL EDUCATION COMPETENCES

- Use basic communication knowledge and skills through active use of mother tongue and foreign languages with the use of professional terminology
- Solve mathematical problems
- Understand and apply physical principles, apply chemical and biological knowledge within the framework of sustainable community development
- Use modern information and communication technology safely and critically
- Continuously acquire knowledge and skills in line with technological changes
- Identify, assess and manage risks and dangers
- Understand the economic system, acquire and apply entrepreneurial competences
- Act in accordance with the professional ethics and civic education principles
- Regular physical exercise and continuous use of work safety procedures

### B) VOCATIONAL COMPETENCES

- Design, manufacture and start a simple analog or digital electronic circuit and /or device
- Assemble, tune and maintain electronic circuits and/or devices
- Perform and connect the electrical installation according to the connection diagrams
- Determine and diagnose malfunction on a circuit and/or device by means of electrical/electronic measuring instruments
- Apply basic knowledge of electrical machines and devices and the management and regulation of automation systems
- Collect and process data using computers and microcontrollers
- Perform simple automated control system and manage a microcontroller or industrial computer and manage a robot
- Network computers and/or devices
- Create and update technical and technological documentation
- Create tender documentation based on technical documentation
- Apply the legal regulations and standards for technical work

## 4. Range of occupations accessible to the holder of the certificate

He/she can perform tasks related to the testing, installation, maintenance and servicing of electronic circuits and devices and to prepare developmental, technological and operational documentation.

Examples of professions are: a medical electronic device repairman, a photovoltaic system installer, a household appliance repairman. Self-employment is possible as a repairman, installer, etc.

## 5. Official basis of the certificate

<p><b>Name and status of the body awarding the certificate</b></p> <p>The certificate is issued by the secondary education institution (vocational education and training school).</p>	<p><b>Name and status of the national authority providing accreditation/recognition of the certificate</b></p> <p>Ministry of Science and Education Donje Svetice 38 10 000 Zagreb <a href="http://www.mzo.hr">www.mzo.hr</a></p>
<p><b>Legal basis</b></p> <p>Primary and Secondary School Education Act (Official Gazette No. 87/2008, 86/2009, 92/2010, 105/2010-corr., 90/2011, 16/2012, 86/2012, 94/2013, 152/2014 and 7/2017)</p> <p>Vocational Education Act (Official Gazette No. 30/2009 and 25/2018)</p> <p>Croatian Qualifications Framework Act (Official Gazette No. 22/2013 and 41/2016)</p>	<p><b>National grading system / Pass requirements</b></p> <p>Excellent 5 (10) A Very good 4 (9) B Good 3 (8) B Sufficient 2 (6-7) C Insufficient 1 (0-5) F</p> <p>In order to pass the exam, it is necessary to get the grade 2 (6-7), i.e. C (sufficient).</p>
<p><b>Level of qualifications</b></p> <p>Level 4.2. in the Croatian Qualifications Framework</p>	<p><b>Access to next level of education/training</b></p> <p>Access to higher level of qualification in accordance with the Croatian Qualifications Framework.</p>

## 6. General data of acquiring the certificate

Description of vocational education and training received	Percentage of total programme (%)	Total number of hours
General education part	55,0%	2335
Vocational part – theoretical	13,7%	580
Vocational part – practice/exercises	31,3%	1329
<b>Duration of education</b>		4 years

**Entry requirements:** The completion of primary education.

**More information available at:**

Ministry of Science and Education ([www.mzos.hr](http://www.mzos.hr))  
Education and Teacher Training Agency ([www.azoo.hr](http://www.azoo.hr))  
Agency for Vocational Education and Adult Education ([www.asoo.hr](http://www.asoo.hr))

**National reference point:**

National Europass Centre ([www.europass.hr](http://www.europass.hr)) at the Agency for Mobility and EU Programmes ([www.mobilnost.hr](http://www.mobilnost.hr)).

**(\*) 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.

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