

1. Title of the certificate (HR) and programme number ⁽¹⁾**Tehničar za elektroniku**

(041424)

⁽¹⁾ In the original language.2. Translated title of the certificate (EN) ⁽²⁾**Electronics technician**⁽²⁾ This translation has no legal status.

3. Profile of skills and competences

A) GENERAL EDUCATION COMPETENCES

- Actively use mother tongue and foreign languages by applying language activities and basic communication knowledge and skills in different situations
- Apply basic mathematical knowledge, skills and processes and solve mathematical problems
- Understand and apply physical principles, apply chemical and biological knowledge within the framework of sustainable community development
- Comprehend geographic processes and fundamental historical knowledge
- Use modern information and communication technology safely and critically
- Understand the economic system, acquire and apply entrepreneurial competences
- Act in accordance with the professional ethics and civic education principles
- Foster physical and health culture by exercising regularly in accordance with individual possibilities in order to protect and preserve health


B) VOCATIONAL COMPETENCES

- Design, manufacture and start a simple analogue 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	
Name and status of the body awarding the certificate The certificate is issued by the secondary education institution (vocational education and training school).	Name and status of the national authority providing accreditation/recognition of the certificate Ministry of Science, Education and Youth Donje Svetice 38 10000 Zagreb www.mzom.hr
Legal basis 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, 7/2017, 68/2018, 98/2019, 64/2020, 151/2022 and 156/2023) Vocational Education Act (Official Gazette No. 30/2009, 24/2010, 22/2013, 25/2018 and 69/2022) Croatian Qualifications Framework Act (Official Gazette No. 22/2013, 41/2016, 64/2018, 47/2020 and 20/2021)	National grading system / Pass requirements Excellent 5 (10) A Very good 4 (9) B Good 3 (8) B Sufficient 2 (6-7) C Insufficient 1 (0-5) F In order to pass the exam, it is necessary to get the grade 2 (6-7), i.e. C (sufficient).
Level of qualifications Level 4.2. in the Croatian Qualifications Framework	Access to next level of education/training Access to higher level of qualification in accordance with the Croatian Qualifications Framework.

6. General data of acquiring the certificate		
	Percentage of total programme (%)	Total number of hours
General education part	49,7	2335
Vocational part – theoretical	14,5	685
Vocational part – practice/exercises	35,8	1682
Duration of education		4 years
Entry requirements: Completion of primary education More information available at: Ministry of Science, Education and Youth (www.mzom.hr) Education and Teacher Training Agency (www.azoo.hr) Agency for Vocational Education and Adult Education (www.asoo.hr) National reference point: National Europass Centre (www.europass.hr) at the Agency for Mobility and EU Programmes (www.ampeu.hr). ^(*) Explanatory note The Certificate supplement provides additional information about the certificate and does not have any legal status in itself. Its format is based on the Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC. © European Union, 2002-2020		
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