

1. Title of the certificate (HR) and programme number

Tehničar za elektroniku

(041424)

In the original language.

2. Translated title of the certificate (EN) ⁽¹⁾**Electronics Technician**⁽¹⁾ 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 adult education institution.	Name and status of the national authority providing accreditation/recognition of the certificate Ministry of Science and Education Donje Svetice 38 10 000 Zagreb www.mzo.hr
Legal basis Adult Education Act (Official Gazette No. 144/2021) 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 and 64/2020) Vocational Education Act (Official Gazette No. 30/2009, 24/2010, 22/2013 and 25/2018) 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

Description of vocational education and training received	Percentage of total programme (%)	Total number of hours
General education part	49,7 %	at least 1168 ¹
Vocational part – theoretical	14,5 %	at least 343 ²
Vocational part – practice/exercises	35,8 %	1682
Duration of education		1 – 3 years

Entry requirements: Completion of primary education

¹⁾ For the learner acquiring the qualification, the number of hours of the theoretical part of each general education and vocational subject may be up to 50% lower than the number of hours prescribed by the full-time education curriculum, in case all learning outcomes are achieved. The number of hours of work-based learning (practical classes/ exercises) is realised in full.

²⁾ For the learner who had previously achieved all learning outcomes of general education subjects and some learning outcomes of vocational subjects, as proven by a public document, all previously achieved learning outcomes are recognized since they form part of the qualification additionally acquired by the student, thus leading to the duration of education being proportionally shortened.

More information available at:

Ministry of Science and Education (www.mzo.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, including the certificate based on which all previously achieved learning outcomes are recognized, 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.

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