

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

(042234)

⁽¹⁾ In the original language.2. Translated title of the certificate (EN) ⁽²⁾**Ship's electrician**⁽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 using and drafting documentation in foreign (English) language
- Apply basic mathematical knowledge, skills and processes
- Apply basic physical and chemical knowledge within the sustainable community development
- Comprehend geographic processes and fundamental historical knowledge
- Use modern information and communication technology safely and critically
- Apply consistently professional ethics and civic education principles
- Understand basic economic terms and functioning of the economic system
- Foster physical and health culture by exercising regularly in accordance with individual possibilities in order to preserve one's own and other people's health

B) VOCATIONAL COMPETENCES

- Install electrical, signalling, alarm, communication and lightning installations on board
- Control and maintain lighting, signalling and alarm systems, collection lines
- Maintain and repair electrical appliances and appliances on board
- Monitor the commissioning of electric motors and generators
- Maintain and monitor the work of electric motors and generators
- Monitor the waveform, spectral response, phase shift, frequency and voltage in the power grid
- Monitor, maintain and replace worn-out battery units
- Connect the ship to mainland power at the port during anchorage according to the prescribed protocol, with the prior implementation of necessary preparatory actions
- Monitor the protection system against electric shock
- Install, service and maintain onboard sonar, radar, communication, navigation, computer, GPS and AIS systems
- Comply with international and national legal regulations
- Use English in speech, electronic and written communication in order to perform activities
- Provide medical first aid
- Implement all occupational safety measures and protect people, tools, devices and the environment

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

The ship's electrician works on a boat in service and in shipyards of larger, medium and smaller vessels, in repair shipyards and in services within marinas and ports. Self-employment is possible by setting up a trade.

5. Official basis of the certificate

<p>Name and status of the body awarding the certificate</p> <p>The certificate is issued by the secondary education institution (vocational education and training school).</p>	<p>Name and status of the national authority providing accreditation/recognition of the certificate</p> <p>Ministry of Science, Education and Youth Donje Svetice 38 10000 Zagreb www.mzom.gov.hr</p>
<p>Legal basis</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, 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)</p>	<p>National grading system / Pass requirements</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>Level of qualifications</p> <p>Level 4.2 in the Croatian Qualifications Framework</p>	<p>Access to next level of education/training</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	50,9	2233
Vocational part – theoretical	28,0	1230
Vocational part – practice/exercises	21,0	921
Duration of education		4 years

Entry requirements: Completion of primary education

More information available at:

Ministry of Science, Education and Youth (www.mzom.gov.hr)
Education and Teacher Training Agency (www.azoo.hr)
Agency for Vocational Education and Adult Education (www.asoo.hr)

National Europass Centre in Croatia (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.

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