

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

**Tehničar održivog razvoja i gradnje**  
(130904)

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

**Technician of sustainable development and construction**

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

## 3. Profile of skills and competences

## A) GENERAL EDUCATION COMPETENCES

- Use actively mother tongue and foreign languages by applying language activities and basic communication knowledge and skills in different situations
- Comprehend and apply basic mathematical knowledge, skills and processes and physical laws
- Comprehend natural world principles by applying basic biological and chemical knowledge within the framework of sustainable community development
- Understand the geographical processes and fundamental historical knowledge
- Use modern information and communication technology actively and critically
- Comprehend economic systems, acquire and apply entrepreneurial competences
- Act in accordance with the principles of professional ethics and civic education
- Foster physical and health culture by exercising regularly in accordance with individual possibilities in order to preserve one's own health and the health of others

## B) VOCATIONAL COMPETENCES

- Set and determine the project task in relation to the project type (energy renovation of the building, improvement of energy efficiency measures, cleaning up landfills of waste, introduction of micro-systems of renewable energy sources, etc.)
- Manage technical resources according to the specifics of the sustainable development project
- Organise works on the ground (energy renovation facilities, landfills of waste, environmental remediation sites, waste water treatment, etc.)
- Create and optimise project solutions (blueprints, visual representations, assessment of energy consumption, assessment of possible energy production from renewable energy sources, concept of waste disposal, assessment of sustainability and functionality of the project)
- Create and maintain project documentation
- Participate in the preparation of studies/parts of the project on the feasibility of energy renovation projects and the installation of renewable energy sources
- Participate in the preparation of studies/parts of feasibility and environmental impact studies/planning and strategic documents on environmental protection and waste management
- Apply circular economy principles in waste disposal and energy production
- Work in accordance with regulations on safety and health protection and environmental protection

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

A technician of sustainable development and construction works as a technician of sustainable construction for new buildings, an associate in the preparation of technical projects, a sustainable construction technologist, a sustainable development and environmental protection technologist, a sustainable construction manager, a manager of recycling and purification devices, and a waste storage manager.

## 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 10000 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, 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><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 In order to pass the exam, it is necessary to get the grade 2 (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

	Percentage of total programme (%)	Total number of hours
General education part	61,5	2399
Vocational part – theoretical	19,4	758
Vocational part – practice/exercises	19,1	746
<b>Duration of education</b>		4 years

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

**More information available at:**

Ministry of Science and Education ([www.mzo.hr](http://www.mzo.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 Europass Centre in Croatia ([www.europass.hr](http://www.europass.hr)) at the Agency for Mobility and EU Programmes ([www.ampeu.hr](http://www.ampeu.hr)).

**(\*) Explanatory note**

This document provides additional information about the school 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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