



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

**Ekološki tehničar**  
(330724)

In the original language.

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

**Ecological Technician**

<sup>(1)</sup> 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
- Understand the natural world principles and spatial relations, organisation and space management
- Apply basic mathematical, physical and biological knowledge within the framework of sustainable community development
- Use modern information and communication technology actively and critically
- Apply consistently ethical principles and respect diversity
- Understand economic systems and apply entrepreneurial competences
- Continuously acquire knowledge and skills in line with technological changes
- Foster physical and health culture by exercising regularly in accordance with individual possibilities in order to protect and preserve one's own and other people's health

## B) VOCATIONAL COMPETENCES

- Apply analytical procedure methodology – laboratory skills and work regulations in physical, chemical, biochemical and microbiological laboratories
- Monitor the state of the environment by measuring physical and chemical values, and changing biological habitat characteristics and document systematically
- Apply basic knowledge of the management of water, fuel and solid mineral resources, soil, air, waste and energy
- Safe handling of waste and hazardous materials - apply waste material recovery techniques and methods
- Implement appropriate measures in cases of environmental pollution caused by human activities
- Apply legal regulations concerning work safety, fire protection and environmental protection
- Have knowledge of business documentation correspondence and bookkeeping records in a trade and/or company
- Apply teamwork skills in nature and environmental protection tasks
- Apply basic computer-based knowledge and use specialized software packages for process management, processes documentation and communication with associates and other stakeholders
- Apply basic knowledge in managing, coordinating and monitoring industrial processes for the purpose of protecting the local and global environment

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

Works in public institutions for nature and environment protection, environmental monitoring institutions and in scientific and research activities as well as in laboratories for testing environmental components, implementation and processes control, in industrial, trade, services and utility activities, all related to nature and environment protection. The work is done indoors in artificially illuminated space and outdoors, it includes participating in field sampling and conducting analysis of these "on-the-spot" samples.

## 5. Official basis of the certificate

<p><b>Name and status of the body awarding the certificate</b> 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> 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> 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)</p>	<p><b>National grading system / Pass requirements</b> 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> Level 4.2. in the Croatian Qualifications Framework</p>	<p><b>Access to next level of education/training</b> 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	51,8 %	2271
Vocational part – theoretical	28,8 %	1262
Vocational part – practice/exercises	19,4 %	851
<b>Duration of education</b>		4 years

**Entry requirements:** 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 reference point:**

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

