



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

Tehničar geodezije i geoinformatike

(050624)

In the original language.

2. Translated title of the certificate (EN) ⁽¹⁾**Geodesy and Geoinformatics 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 physical principles and solve mathematical problems
- Comprehend natural world principles and act responsibly towards nature and environment
- Comprehend geographic processes and fundamental historical knowledge
- Use modern information and communication technology safely and critically
- Have knowledge of basic economic concepts and functioning of the economic system
- Apply consistently professional ethics and civic education principles
- 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

- Collect data using geodetic measurement in accordance with the relevant standards
- Numerically and graphically process geodetic measurement data
- Present geodetic measurement data in the form of alphanumeric data, plans, charts and charts related images
- Perform geodetic measurement for the design, construction and maintenance of buildings
- Transfer of designed objects to the terrain
- Perform geodetic measurement for the purposes of tracking displacements and deformations and for the purpose of objects exploitation
- Maintain topographic maps using geodetic and geoinformatic procedures
- Design and maintain thematic maps, digital orthophotos and digital terrain models using geodetic and geoinformatic procedures
- Apply cadastral measurement in order to maintain cadastral and land register records
- Apply geoinformatic procedures for maintenance of cadastral and land register records and issue official records data
- Apply and analyse spatial data using geoinformatic procedures

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

He/she can be employed at the State Geodetic Administration, regional cadastral offices and in the departments as an expert officer for geodetic work or expert officer for cadastral services and in other public bodies as an expert officer in planning and maintenance of infrastructure, infrastructure of spatial data, spatial planning and environmental protection planning, and in companies authorized to perform geodetic jobs, spatial planning and environmental protection planning, project design and construction jobs as an associate of an authorized geodetic engineer.

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	50,2 %	at least 1101 ¹
Vocational part – theoretical	25,7 %	at least 564 ²
Vocational part – practice/exercises	24,1 %	1055
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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