1. Title of the certificate (HR) and programme number (1)
Strojarski računalni tehničar
(015304)
(1) In the original language

2. Translated title of the certificate (EN) (1)
Mechanical Computer Technician
(1) If applicable. This translation has no legal status.

3. Profile of skills and competences

A) GENERAL EDUCATION COMPETENCES
- Use basic communication knowledge and skills through active use of mother tongue and foreign languages with the use of professional terminology
- Apply physical principles and solve mathematical problems
- Use modern information and communication technology safely and critically

- Continuously acquire knowledge and skills in line with technological changes
- Identify, assess and manage risks and dangers
- Have knowledge of basic economic concepts and functioning of the economic system as a whole
- Apply consistently professional ethics and civic education principles
- Regular physical exercise and continuous use of work safety procedures

B) VOCATIONAL COMPETENCES
- Apply technical drawing basics and machine elements in analysis and preparation of the manufacturing and technological process
- Do computer drawing
- Apply appropriate technical materials in the analysis and preparation of the manufacturing and technological process
- Calculate and construct machine and assembly elements
- Calculate and construct simple tools and gadgets
- Do mechanical measurement, test material properties and assure quality of products and technological processes
- Design technological processes by drafting technical documentation
- Plan and implement maintenance procedures
- Program numerically controlled machines and make machine parts by using them
- Describe the elements of pneumatic and hydraulic devices and systems and make simple diagrams with the functional merging of the elements
- Describe and calculate thermodynamic processes and sizes and apply these to heat machines and devices
- Describe electrical machines and devices, electronic components and their application in plants and facilities
- Apply basic robotics, identify and differentiate control and regulation processes and their elements
- Apply communication technology and skills in business communication with the market
- Apply regulations and means of work safety, fire protection and environmental protection

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

Mechanical computer technician qualification enables the following positions: technologist in work preparation, maintenance technician, technical draftsman, NUAS developer, tool and device constructor, quality control (maintenance) technician. The specificity of this profession is the need for continuing improvement due to extremely dynamic development and change in technique.

5. Official basis of the certificate	
Name and status of the body awarding the certificate The certificate is issued by the secondary education institution (vocational education and training school).	**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 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 and 98/2019) 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 and 47/2020)	**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	54,9%	2373
Vocational part – theoretical	22,1%	956
Vocational part – practice/exercises	23,0%	991
Duration of education		4 years

Entry requirements: The completion of primary education.

More information available at:
Ministry of Science and Education (www.mzos.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.mobilnost.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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