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5 0732 06 16 Útépítő, vasútépítő és -fenntartó technikus

2. TRANSLATED TITLE OF THE PROFESSION

Road and railway construction and maintenance technician (THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

- prepare, independently or under the supervision of an engineer, plans relating to the construction of transport infrastructure, and carry out technical tasks relating to the construction, operation and maintenance of road and rail infrastructure;
- gain an insight into the steps of construction planning and carry out subtasks relating to it;
- establish a link between the tasks of engineers and the tasks of skilled workers involved in execution;
- coordinate and organise certain work processes, and manage the experts under their supervision;
- draw up documentation relying on their technical specialised knowledge;
- use both traditional and state-of-the-art equipment and tools in their work;
- work in a disciplined and cooperative manner on the railway track, and think creatively and solve problems appropriately and effectively in the course of road construction and operation activities.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

1313 Construction manager

3117 Architecture and construction engineering technician

3133 Surveying and GIS (Geographical Information Systems) technician

3136 Draughtsperson

3139 Other technician not elsewhere classified

3213 Construction supervisor

(*) Explanatory notes:

¹ In the original language. | ² The translation of the designation is provided for information purposes only. | ³ Fill it out if necessary. The certificate supplement provides additional information on the qualification but have no legal value in itself. The format of the description is in conformity with 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 | europass,cedefop.europa.eu ©

5. OFFICIAL BASIS OF THE CERTIFICATE		
Name and status of the authority issuing the certificate	Name and status of the national/regional providing accreditation/recognition of the certi	
	Ministry for Innovation and Technology	
Level of the certificate (national or international)	Grading scale / Pass requirements	
NQF level: 5	Five -grade: 5 excellent	
EQF level: 5	4 good	
Digital Competence Framework level: 5	3 satisfactory 2 pass	
Digital Competence Francework level.	1 fail	
	The prerequisite of being eligible to sit for a sectoral basic elis the successful completion of all the required training courrecognised prior learning should incorporate the requirem sectoral basic examination. The prerequisite of being eligible a vocational examination is the successful completion of all courses and the uninterrupted professional practice require the student is required to pass a sectoral basic examination, be recognised with the following weighting: The result of the basic sectoral examination will be compute of the vocational examination with the following weighting basic examination: 10%, Vocational examination: 90%	arses, or the nents of the ble to sit for the training ed. In case latter shall ed into that
Certificate number: CXK A	Designation of the theoretical and practical subjects of the sectoral basic examination and the vocational examination and their grades according to a five-grade scale	
Serial number: 123456	Sectoral basic examination : The examination was pass recognised prior learning	ed based on
Certificate issue date: 2023.12.07	Vocational examination	
	central interactive	
	Road and railway construction and maintenance technician interactive examination	5
	Basic plane and geometric constructions	5
	Basics of earthwork drainage, road, railway and bridge construction	5
	Properties and testing of soils and building materials	5
	Resultant force, balancing, load diagrams, cross-sectional centre of gravity	5
	project exercise	
	Road and railway construction and maintenance technician project task	5
	Examination part 1: Portfolio	5
	Examination part 2: Geodetic survey of roads or railway tracks	5
	Examination part 3: Roadway construction, operation and maintenance	5
	Examination part 4: Railway track operation and maintenance	5
	Examination part 5: Professional discussion	5
	Popult of the propertienal association in a second second	10007
	Result of the vocational examination in percentage Result of the vocational examination with grades	100% 5
		0
Access to next level of education/training	International agreements	
▼		
Other information concerning the vocational training process		

Legal basis

Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Act LXXX of 2019 on Vocational Education and Training.

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE SUPPLEMENT

Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of the total number of hours of the programme
Total duration of the education/training	2171 hours
Entry requirements:	
- Educational prerequisite: primary education	
- Occupational health aptitude test: required	
Further information:	
VOCATIONAL PRACTICAL SUBJECT	HOURS
Basics of construction work	12 hour
Basics of construction drawings	12 hour
Basics of professional information technology	12 hour
Soil mechanics	12 hour
Construction materials	12 hour
Geodesy	12 hour
Construction management	12 hour
Reinforced concrete structures	12 hour
Road construction and maintenance	12 hour
Railway construction and maintenance	12 hour
Specialist foreign language	12 hour
VOCATIONAL THEODETICAL CUDIECT	HOUDS
VOCATIONAL THEORETICAL SUBJECT Vocational knowledge	HOURS
Vocational foreign language knowledge	12 hour 12 hour
Basics of the construction industry	12 hour
Labour safety and environmental protection	12 hour
Descriptive geometry	12 hour
Basics of construction	12 hour
Fundamentals of traffic engineering	12 hour
Soil mechanics	12 hour
Construction materials	12 hour
Professional information technology	12 hour
Geodesy	12 hour
Construction management	12 hour
Statics	12 hour
Strength of materials	12 hour
Reinforced concrete structures	12 hour
Road construction and maintenance	12 hour
Railway construction and maintenance	12 hour
Specialist foreign language	12 hour
Continuous field practice	160 hour
Altogether	508 hour

Link to the Training and Outcome Requirements and the Programme Plans: https://ikk.hu The present diploma supplement was elaborated in compliance with Government Decree 12/2020 (II. 7.) on the implementation of the Act on Vocational Education and Training.

National Reference Point: National Office of Vocational Education and Training and Adult Learning: https://nrk.nive.hu

Head of Examination Organiser: Issue date: 2023.12.07

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