

1. TITLE OF THE CERTIFICATE (DE) ⁽¹⁾

**Lehrabschlussprüfungszeugnis Tiefbauspezialist/Tiefbauspezialistin –
Schwerpunkt Tunnelbautechnik**

⁽¹⁾ in original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN) ⁽²⁾

**Certificate of Apprenticeship 'Civil Engineering Specialist focusing on Tunnel
Construction Engineering' (f/m)**

⁽²⁾ This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

The apprentice trained in the apprenticeship Civil Engineering Specialist focusing on Tunnel Construction Engineering will be able to carry out the following activities professionally, independently and on his/her own responsibility:

1. Implementation of plan specifications (position, height, material) with the use of modern measurement technology in nature and in the tunnelling area,
2. Calculation of the wage, equipment and material input,
3. Setting up and securing construction sites as well as checking and documenting preliminary work,
4. Surveying of simple terrain, also underground, and professional documentation of the surveying work,
5. Construction of building pits, trenches, shallow foundations and tunnelling as well as performance of related work,
6. Carrying out conventional tunnelling work in accordance with the criteria of the New Austrian Tunnelling Method (NATM), taking into account the different geotechnical conditions,
7. Production of formwork (e.g. conventional formwork, system formwork) for components made of concrete and reinforced concrete,
8. Production and adaptation of components, building components and buildings (e.g. shotcrete linings, supporting aids, foundations, drainage facilities, roads, channels),
9. Maintenance, rehabilitation and repair of concrete and reinforced concrete components,
10. Production of shotcrete samples for concrete testing,
11. Maintenance and servicing of underground construction machinery,
12. Testing and determining whether construction machinery is in good running order, safe and reliable for underground use,
13. Performance of the work taking into consideration relevant safety regulations, standards and environmental standards.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE ⁽³⁾**Range of occupations:**

Employment of civil engineering specialists focusing on tunnel construction engineering in companies that construct tunnels, galleries or other cavities; on a wide variety of construction sites, including the performance of activities related to tunnelling within the framework of the New Austrian Tunnelling Method, i.e. setting up and securing construction sites, constructing building pits and trenches and producing formwork, other components and shotcrete.

⁽³⁾ if applicable

(*) Explanatory note

This document has been developed with a view to providing additional information on individual certificates; it has no legal effect in its own right. These explanatory notes refer to the Decision (EU) no. 2018/646 of the European parliament and the Council of 2 May 2018 on a common framework for the provision of better services for skills and qualifications (Europass).

More information on Europass is available at: <http://europass.cedefop.europa.eu> or www.europass.at

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate Lehrlingsstelle der Wirtschaftskammer (Apprenticeship Office of the Economic Chamber; for the address, see certificate)	Name and status of the national/regional authority providing accreditation/recognition of the certificate Bundesministerium für Arbeit und Wirtschaft (Federal Ministry for Labour and Economy)
Level of the certificate (national or international) NQF/EQF 4 ISCED 35	Grading scale / Pass requirements Overall performance: Pass with Distinction Good Pass Pass Fail
Access to next level of education/training Access to the <i>Berufsreifeprüfung</i> (i.e. certificate providing university access for skilled workers) or a vocational college for people under employment. Access to relevant courses at a <i>Fachhochschule</i> (i.e. university level study programme of at least three years' duration with vocational-technical orientation); additional examinations must be taken if the educational objective of the respective course requires it.	International agreements Between Germany, Hungary, South Tyrol and Austria, international agreements on the mutual automatic recognition of apprenticeship-leave examinations and other vocational qualifications have been concluded. Information on equivalent apprenticeship occupations can be obtained from the Federal Ministry for Digital and Economic Affairs.
Legal basis 1. Training Regulation for civil engineering specialist BGBl. II (Federal Law Gazette) No. 102/2022 (company-based training) 2. Curriculum framework (education at the vocational school for apprentices)	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

<ol style="list-style-type: none"> 1. Training in the framework of the given Training Regulation for civil engineering specialist and of the curriculum of the vocational school for apprentices. Admission to the final apprenticeship examination upon completion of the apprenticeship period specified for the apprenticeship trade concerned. The final apprenticeship examination aims to establish whether the apprentice has acquired the skills and competences required for the respective apprenticeship trade and is able to carry out the activities particular to the learned trade herself/himself in an appropriate manner. 2. Admission to the final apprenticeship examination in accordance with Article 23 (5) of the <i>Berufsausbildungsgesetz</i> (Vocational Training Act). An applicant for an examination is entitled to sit the final apprenticeship examination without completing a formal apprenticeship training if she/he has reached 18 years of age and is able to prove acquisition of the required skills and competences by means of a relevant practical or an on-the-job training activity of appropriate length, by attending relevant courses etc.
Additional information: Entry requirements: successful completion of 9 years of compulsory schooling. Duration of training: 4 years. Enterprise-based training: Enterprise-based training comprises $\frac{4}{5}$ of the entire duration of the training and focuses on the provision of job-specific skills and competences according to Article 3 of the Training Regulation, BGBl. II (Federal Law Gazette) No. 102/2022, enabling the apprentice to exercise qualified activities as defined by the profile of skills and competences specified above (cf. job profile). Education at vocational school: School-based education comprises $\frac{1}{5}$ of the entire duration of the training. The vocational school for apprentices has the tasks of imparting to apprentices the basic theoretical knowledge, of supplementing their enterprise-based training and of widening their general education in the framework of subject-oriented part-time instruction.

More information (including a description of the national qualification system) is available at:
www.zeugnisinfo.at and www.edusystem.at

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