

1. TITLE OF THE CERTIFICATE (DE) ⁽¹⁾
Reife- und Diplomprüfungszeugnis der Höheren Lehranstalt für Metallurgie und Umwelttechnik
⁽¹⁾ in original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN) ⁽²⁾
School Leaving Certificate and Diploma Certificate of the Higher Federal Technical College of Metallurgy and Environmental Technique
⁽²⁾ This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES
<p>A typical holder of the certificate has</p> <ul style="list-style-type: none"> • sound knowledge of facilities, process parameters, input materials and products of iron,- and steel industry under consideration of economic and ecological aspects; • ability to develop concepts with regard to process-technology in the manufacturing of rolling- and forging products; • sound knowledge of main casting-alloys, including the according alloy systems, as well as knowledge of casting processes, belonging to the main categories of semi-finished products and finished casting; • ability to describe the applied primary production technologies for the main non-ferrous metals, together with the associated refining processes and the ability to trace the production process from raw material via semi-finished products up to the final product; • basic knowledge of beneficiation steps for the recycling of valuable metals from defined secondary metallic- and non-metallic materials, as well as for the interaction of beneficiation, recycling technologies and materials engineering regarding economic, ecological and legal regulations; • sound knowledge of the most important renewable energies and ways of energy generation, additionally disposal technology, measures and measuring methods in air pollution, water-, soil-, noise- and radiation protection plus environmental contaminations; • competence to develop energy and material balances of common production technologies; • basic ability to choose appropriate materials depending on their application and corresponding testing, analysis and development of materials; • sound knowledge of the structure of metallic and non-metallic materials, as well as relevant heat treatment processes; • ability to operate and analyze planning,- measurement- and testing tasks of industrial laboratories; • ability to apply methods of test planning, test procedure, evaluation and interpretation of test results in material development and material testing; • knowledge of application of refractories together with an understanding of energy- and environmental engineering in metallurgical processes, as well as for applied methods in the quality management; <p>prepare to contribute their personal and social competences in the fields of interdisciplinary work and activities in management, as well as their problem-solving skills, capacity for teamwork, creativity, entrepreneurial thinking and acting, project management, customer-orientation</p>

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE ⁽³⁾
<p>Range of occupations: Employment in fields of activities with a high degree of responsibility as an employee or entrepreneur in various branches of metal production, metal processing, material testing and analysis, development of materials, product management, refractory industry, recycling, steelwork and mechanical engineering as well as in technical sales.</p> <p>Pursuit of regulated professions on a self-employed basis (www.gewerbeordnung.at)</p>

⁽³⁾ if applicable
<p>(*) Explanatory note This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/614/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers. More information on transparency is available at: http://europass.cedefop.eu.int/ or http://www.europass.at</p>

5. OFFICIAL BASIS OF THE CERTIFICATE	
Name and status of the body awarding the certificate Educational institution recognized by the State of Austria, for address see certificate	Name and status of the national/regional authority providing accreditation/recognition of the certificate Federal Ministry of Education
Level of the certificate (national or international) EQF/NQF 5 ISCED 55	Grading scale / Pass requirements 1 = excellent (excellent performance) 2 = good (good performance throughout) 3 = satisfactory (balanced performance) 4 = sufficient (performance meeting minimum pass levels) 5 = not sufficient (performance not meeting minimum pass levels) In addition, the overall performance at the final exam is rated as follows: Pass with distinction, Good pass, Pass, Fail
Access to next level of education/training In accordance with the School Organisation Act (Schulorganisationsgesetz), Federal Law Gazette no. 242/1962 as amended, this certificate entitles holders to attend a university, a post-secondary VET course (Kolleg), and a post-secondary VET college (Akademie); in accordance with the Act on Fachhochschule Study Programmes (Bundesgesetz über Fachhochschul-Studiengänge), Federal Law Gazette no. 340/1993 as amended, to attend a Fachhochschule study programme; and in accordance with the 2005 Higher Education Act (Hochschulgesetz), Federal Law Gazette I no. 30/2006 as amended, to attend a university college of teacher education (Pädagogische Hochschule).	International agreements <ul style="list-style-type: none"> • European Convention on the Equivalence of Diplomas leading to Admission to Universities, Federal Law Gazette no. 44/1957 • Convention on the Recognition of Qualifications concerning Higher Education in the European Region, Chapter IV, Federal Law Gazette III no. 71/1999 • Training completed with this certificate is a regulated education and training programme in accordance with Article 11, point (c) (ii) of Directive 2005/36/EC on the recognition of professional qualifications, as last amended by Directive 2013/55/EU. The level of training corresponds to point (c) of Article 11 of the Directive.
Legal basis National curriculum, Federal Law Gazette II no. 262/2015 current version Examination specification BMHS (concerning the final exams in vocational schools and colleges), Federal Law Gazette II no. 177/2012 current version	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE
1. Training and education as defined by the National Curriculum for Secondary Colleges of Metallurgy and Environmental Technique, 2. External certification as defined in Federal Law Gazette II no. 362/1979 current version
Additional information Entry requirements: successful completion of school year 8; if necessary entrance examination Duration of Education: 5 years Duration of compulsory work placement: totally 8 weeks Educational objectives: Intensive five-year initial training programme in occupation-related practice and occupation-related theory, as well as in general education subjects, technical-scientific and business-related subjects. Independent use of thinking methods as well as attitudes towards work and decision-making which qualify graduates to immediately exercise professions at executive level in the engineering, arts and crafts sector in industry and trade as well as to take up higher studies. Use of personal and social competences in the way they are required for modern forms of work and communication – including in multicultural teams. Modern frames of mind and attitudes to work such as a cosmopolitan approach, creativity and innovation capacity. Subjects include: see List of Subjects in the Reifeprüfung-Certificate and VET-Diploma More information (including a description of the national qualification system) is available at: http://www.certificate.at or at http://www.edusystem.at or at https://www.bmbwf.gv.at National Reference Point: info@zeugnisinfo.at National Europass Center: info@europass-info.at