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Austria

CERTIFICATE SUPPLEMENT (*)

1. TITLE OF THE CERTIFICATE (DE) (1)

Reife- und Diplomprüfungszeugnis der Höheren Lehranstalt für Wirtschaftsingenieure – Informationstechnologie und smart production

(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 Industrial Engineering – Information technology and smart production

(2) This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

The graduates of the Higher Federal Technical College of Industrial Engineering – Information technology and smart production are able to solve technical IT tasks while taking into account business and production engineering requirements. A typical holder of this certificate is able to

- Plan, implement, visualize and optimize operational processes and the use of resources for economical production and service
- Lead projects and take on management positions in company departments
- Communicate orally and in writing technical and economic issues using subject-specific terms in English

A certificate holder is also able to

- apply the principles of sales and marketing, materials management and logistics
- apply the principles of process and production planning as well as of production control
- apply the principles of using Information systems like enterprise resource planning (ERP), product lifecycle management (PLM)
- apply the principles of quality and environmental management
- apply the principles of accounting, balancing, cost accounting, financing and investment, economic and tax law
- apply the principles of human resources management, employee management, business organisation, workplace and establishment planning

The typical holder of this certificate is able to apply their knowledge in the following technical areas

- Hardware-related software development and automation technology (including practical application)
- Network technology, data transmission technology, web technologies
- Combining and integrating disjoint IT and manufacturing systems
- Database systems and applications, software interfaces
- System structure and modelling, IT security and IT law
- Software development methods and tools, release and rollout management
- Object-oriented programming as well as various markup and script languages
- Multimedia applications including Augmented / Virtual reality modelling

The graduates have personal and social skills in the areas

- Interdisciplinary work and management
- Problem-solving skills, teamwork, creativity, entrepreneurial thinking and acting, customer orientation

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE (3)

Range of occupations:

They can work in engineering in the areas of software development and testing / QM as well as in the areas of technical purchasing and sales, network technology, product development, maintenance / system administration, system integration, the introduction, support and visualization of company information systems as well as quality management carry out.

Pursuit of regulated professions on a self-employed basis (www.gewerbeordnung.at)

(3) if applicable

(*) **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

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 550

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
- 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 according to the regulation by the Federal Ministry of Education and Women, no. 23.348/0007-Präs.12/2016 or 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 Industrial Engineering-Information technology and smart production.
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 http://www.bmbwf.gv.at
National Reference Point: info@zeugnisinfo.at
National Europass Center: info@europass-info.at