Certificate supplement (*)

Österreich

1. TITLE OF THE CERTIFICATE (DE) (1)
Reife- und Diplomprüfungszeugnis der Höheren Lehranstalt für Informatik
(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 Computer Sciences / Informatics
(2) This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

A typical holder of the certificate is able to

- carry out typical engineering activities in the fields of computer sciences and business administration
- communicate about technical and economic matters orally and in writing in the English language

A certificate holder is also able to

- assess the suitability of computer systems for specific applications
- implement organisational and technical measures for efficient and safe system operation
- develop applications according to particular specifications and by using up-to-date software technologies
- develop efficient overall solutions to complex tasks and implement them in suitable programming languages by using modern development environments and database systems
- create, plan, calculate and successfully implement projects in software and system development
- use the right methods and tools for implementing software development and IT-projects
- design, analyse, assess, implement and test distributed systems
- guarantee the security and safety of IT-systems and networks technically and organisationally
- develop and implement information systems by using up-to-date data-base models
- perform comprehensive and complex data analyses
- basic knowledge in data science

apply typical engineering principles in the following economic areas:

- design of suitable organisational and legal frameworks for the acquisition, development and use of IT-systems
- planning and undertaking of operative measures in the fields of external and internal corporate accounting thereby considering all aspects of corporate law
- documentation, design, assessment and re-organisation of organisational structures and processes
- use of up-to-date management methods in the areas of organisation, human resources, projects, business start-ups
- technology assessment in corporate and civic environments

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, customer orientation

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

Range of occupations:

Systems and requirements analyst. Software and applications designer. Developer and programmer. System administrator and system programmer. Database designer and database programmer. Project manager and project leader. Administrator and manager of IT systems and IT departments. Technical expert responsible for creating and implementing data protection and data security System consultant and IT trainer. Self-employed computer scientist.

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

(3) if applicable

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, Science and Research
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** • 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 Computer Sciences / Informatics 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