

Certification "European Railway Engineer" Requirements

Targets

Engineers who have railway expertise or who have acquired corresponding knowledge in several years of practical work are to be certified as competent to work in this field.

Requirements

The following persons are eligible for the EURAIL-ING Certification:

- Railway engineers* with specific studies and practical experience (together min. 10 years)
- or persons with associated academic training (natural sciences, computer science, business administration, economics, law) who have worked for a period of at least 10 years as an engineer for railway companies, for companies that produce or plan for the railways or have been active in railway research and teaching.

*Railway engineers are engineers who have a diploma (including Bachelor and Master, as well as engineers from HTL - Höhere Technische Lehranstalt (specific Austrian Higher Institutes of Technical Education)), test certificate or state examination and are working with railways, railway administrations and railway authorities, transport companies and transport administrations, in railway related research and education at universities and colleges and/or firms who plan, build and supply railway-related materials, plants and vehicles for the above-mentioned institutions.

Studies

- Completion of engineering studies at a state-recognised European university, college or specialised institute of higher education or equivalent education.
- Duration of studies: at least 3 years (6 semesters) or part-time studies of equivalent length.
- Railway-specific knowledge in addition to the specialist knowledge gained through a special subject of engineering studies (traffic system theory, vehicle service, electric railways, traffic safety systems, overland transport engineering (incl. railway operation), dynamics of vehicle movement, transport engineering, ergonomics, automation technology, environment and traffic, technical foundations of traffic, information technology, logistics, quality assurance, traffic management, marketing, business economics, environmental, contractual, liability and European law, standardisation, patent law, geodesy, railway guidelines, railway standards).
- Knowledge of professional terminology in at least one foreign language.
- Further education: Proof of participation in further education courses within the last three years

Practical experience

The following is recognised as practical experience:

- Proof of nationally required state examinations or examinations of the railway companies.
- A standard course of study leading to an academic degree and subsequent engineering work for the railways, transport companies and authorities, companies that design and build for transport companies or produce transport-typical facilities, vehicles and equipment or are involved in transport issues in research and educational institutions. The total period of study must be at least ten years. The studies must have been completed at a European University or educational institution
- Work experience is also recognised as practical experience for part-time studies if it is engineering-related.
- The special conditions in France must be observed. Previous studies are to be counted towards the total period of study.
Justification: Requirement of the EU Directive on the recognition of professional qualifications Art. 18 and Annex II.
- In the case of degrees not specific to railways, additional evidence must be provided (this also applies to systems engineers if their studies were not railway-related):
 - at least two semesters of railway-specific in-depth studies
 - or additional railway-specific training with the railways, transport companies, transport authorities or companies providing for the railway companies other transport companies, or at external educational institutions
 - 10 years of engineering experience with railways, authorities or railway related companies. A certification interview shall be held with the applicant (according to II 2.3.4.1, Para. 2) or certified references must be obtained

Application documents:

- fill in the online application form
- a curriculum vitae in tabular form
- proof of education and further education (copies of certificates) ***
- proof of subject of study and examination subjects
- proof of state examinations and railway-specific examinations ***
- proof of duration and type of occupation in the railway sector ***
- proof of participation in projects and achievements in the field of technical engineering ***
- proof of language knowledge ***
- proof of nationally sponsored state-recognised examinations and/or railway examinations of the railways ***
- proof of further education courses during the last three years ***

*** Copies certified by the employer/institution/engineering association required.