

**Appendix 2 to the academic study and
examination regulations for the continuing
education master programme
M. Eng. Renewable Energies and Hydrogen Technology
at Technische Hochschule Ingolstadt
from 22.01.2024**

Content requirements for the qualification certificate stating qualification objectives:

Regarding § 3 para. 1 Statutes:

Relevant qualified experience of at least one year in the appointment for which the first academic degree qualified.

Relevant qualified experience in the field of sustainable energy production and/or energy supply, e.g:

- Activities in the field of technical and/or organisational conception, development, production and/or project management of a company.
- Generation from renewable energies and/or generation, transport and storage of hydrogen.
- Development of electrical and process engineering plants for energy generation and conversion.
- Conversion from fossil energy sources to renewable energies and/or hydrogen.
- Research and development of renewable energies, possibly using hydrogen technologies.
- Technical and economic planning and project management in the field of renewable energies and/or hydrogen technology.
- Consultancy and further education in the field of renewable energies and/or hydrogen technologies.
- The specialist and/or manager is able to work independently on tasks or subtasks in accordance with a schedule and work plan, under professional guidance or in a team.
- In doing so, the specialist and/or manager applies not only specialist competences, but also interdisciplinary competences (e.g. methodological, social and personal competences).

Regarding § 3 para. 2 Statutes (internship)

First familiarisation with the activities of a specialist and/or manager in a company, for example in the following areas:

- Energy producers and suppliers, municipal utilities, municipal transport companies
- Mineral oil industry
- Chemical industry
- System planning and construction
- Energy-intensive industries, such as chemicals, pharmaceuticals, glass, metal or paper
- Property industry
- Consulting, further education
- Aviation industry
- Mobility industry

First familiarisation with the work of a specialist and/or manager in a company, e.g. through the following activities:

- Insight into the operational processes of a company
- Independent work on projects and problems whose topics were closely related to the academic study programme or in which solutions to engineering sciences/economic problems were developed.
- Application and deepening of knowledge, methods and procedures that are taught and imparted in theoretical academic studies or that enable students to work on technical/economic issues

The specialist and manager

- is able to work independently on tasks or subtasks according to a schedule and work plan under professional guidance or in a team.
- The programme applies not only specialist skills, but also interdisciplinary skills (e.g. methodological, social and personal skills).