

HECTOR SCHOOL

Technology Business School of the KIT



Lifelong Learning Partner

In Human Resource Development & Recruiting Worldwide

Part-Time Academic Programs for Professionals

Technology Business School of the KIT

The Karlsruhe Institute of Technology (KIT) is the largest institution for research and education in Germany. Globally known for its technology expertise in German engineering, KIT is famous for its research, excellent scientific education, lifelong learning, comprehensive advanced training, and a sustainable culture of innovation.

Your Success is Our Vision

The HECTOR School as the Technology Business School of the KIT strives for sustainable and continuous education on the highest academic level, building on nearly 15 years of experience. The growing need for qualified engineers, computer scientists, and economists demonstrates HECTOR School's vision: sustainable success of our graduates & their companies.

Strategic alliances with companies worldwide

The HECTOR School maintains alliances with companies worldwide for strategic personnel development and strives to provide professionals with state-of-the-art technology expertise and management know-how in part-time education formats.

With Executive Master Programs, Certificate Courses, and Customized Partner Programs, the HECTOR School fosters lifelong learning approaches of its industry partners and the executive development of its graduates. The needs of HR development in industry are directly reflected with the different programs. Additionally, industry partners directly profit from attractive partner conditions.

With the HECTOR School programs, you, your company and employees are more than prepared for the challenges of tomorrow's world – you shape the future by your own vision.

HECTOR School: Strategic Partner for the SIEMENS AG



»The master programs at the HECTOR School are a great opportunity to advance qualified employees. We appreciate especially the fact that our employees benefit from the latest results of research at the KIT.

The part-time structure and the modular composition enable us to integrate participation in our operational work. For these reasons the master programs are an established method to be one-step ahead of our competitors for several years.«

Sebastian Hennig

Academic Advisor & Trainer, Siemens AG

3-R Strategy

New Recruiting Channel:

Acquire the Qualified Engineers You Need

Aims on strategic national and international professional recruiting. Particularly noteworthy is the **Master@YourCompany program**:

Potential applicants are offered an extra-occupational Master's degree combined with career entry and targeted career development.

Advanced Ways of Retention:

Refine Professional Experience by High-Level Academic Qualification

Foster the most valuable employees and retain highly qualified talent through targeted promotion - and create inspiring motivation! **Qualification areas are:**

- *Digitalization*
- *Agile and scrum methods*
- *IoT and industry 4.0*
- *AI and robotics*
- *Product and innovation development*
- *Energy generation, storage and distribution*
- *Strategic management within HR and finance*

Close Qualification Gaps

& Build up New Knowledge

Experience is valuable - keep and maintain it in your company. Explore new technologies for whole teams and departments. For example: Enhance your products with services or build up experts by transfer knowledge from a top university.



Strong & Valuable Instrument

for HR Departments to Foster Employees



Profile Example for Recruiting »Strive for Management Position«

- 24–26 years
- Bachelor e. g. in Engineering or Computer Science
- 1-3 years professional experience
- Wants to gain visibility and responsibility
- Red personality with partly blue influences*

Profile Example for Retention »Reliable and up-and-coming«

- < 35 years
- Experienced in engineering
- Stays with a company for max. 5 years
- First project leading experience
- Networker
- Green and blue personality*

Profile Example for Re-Qualification »Traditional Expert«

- < 45 years
- Experienced in mechanical engineering
- Stays with a company for several years
- Needs to keep pace with changes in work environment (e.g. digital transformation)
- Blue personality with partly green influences*





Job-Accompanying Master of Science Programs

The part-time Master of Science Programs of the HECTOR School are tailor-made for ambitious professionals and companies fostering the strategic personnel development of their future leaders.

Participants will be able to continue their career while enhancing their engineering competencies and developing their management capabilities. They benefit from the exchange with other professionals from all over the world as well as from a strong network of partners in research and industry.



Management of Product Development:

An integrated approach towards innovative product creation processes



Production and Operations Management:

State-of-the-art concepts in production, information systems, and logistics



Mobility Systems Engineering and Management:

A system-oriented approach towards future mobility – advanced driver assistance systems / e-mobility



Energy Engineering and Management:

Innovative power systems and the future of energy technologies



Financial Engineering:

Business finance from an engineering perspective



Information Systems Engineering and Management:

Digital transformation of products, services, and organizations

Structure

part-time

10 modules x 2 weeks in Karlsruhe
+ master thesis in the company

5 engineering modules: technological expertise

5 management modules: leadership know-how

Duration

approx. 20 months

(modules 14 months + master thesis 6-9 months)

Language

English

Degree

Master of Science (M.Sc.) of the
Karlsruhe Institute of Technology (KIT),
90 ECTS

Start

yearly in October

Accreditation

by aaq

Portfolio and Contact

Executive Master Programs: Combine technology expertise and management knowledge to qualify ambitious engineers for leading positions in industry.

Certificate Courses: Compact continuous education formats designed for professionals in two to five days in the fields of energy, mobility, industry 4.0 and digitalization.

HECTOR School Academy: Company-individual training programs to equip your employees with specialized training in your specific field. Meet the digital transformation actively through transfer qualification of your employees.

Customized Qualifications for Companies: Flexible 3-phase approach that guarantees sustainable growth in innovation in e-mobility, renewable energies, global production with industry 4.0 components, and the digitalization of processes.



Do You Have Questions or Need Assistance?



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