



International Master of Science Global Production Engineering



Technische Universität Berlin
www.gpe.tu-berlin.de



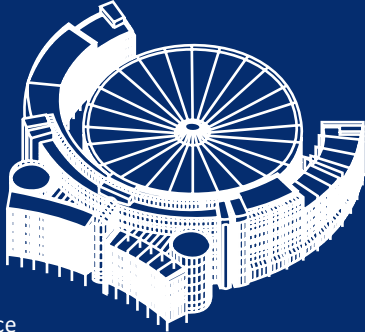
A Foundation of Knowledge and Practice

The TU Berlin is an internationally acclaimed university distinguished by research and teaching excellence, highly qualified graduates and modern management. The Institute for Machine Tools and Factory Management (IWF) at the TU Berlin coordinates the GPE Program. Its test field offers a wide range of manufacturing facilities for learning firsthand about manufacturing and assembly, quality and automation e.g. by operating machine tools and robots and developing products in virtual reality. The long teaching experience at the IWF is combined with the industrial and practical affiliations of the Renewables Academy AG (RENAC). RENAC is optimally networked through extensive cooperation with the renewables industry. In this manner, education and practical experience are ideally connected.

Scope of GPE

The GPE program promotes technical competencies in production engineering disciplines, global value creation, development of manufacturing processes and tools, factory planning, production control, logistics and global supply chain management, sustainability, modeling and simulation, quality control, technology management, economic evaluation and global management. The degree program offers comprehensive qualification in booming renewable energy technologies, such as photovoltaics, wind energy and hydropower. Relevant aspects from the production of renewable energies components, up to management, financing, law and marketing aspects are addressed.

GPE Overview



Degree	Master of Science
Content	Technology Management and Engineering of Manufacturing and New Energy Technologies
Duration	4 semesters (2 years)

Location Berlin, Germany
Technische Universität Berlin

Language English

Courses To be selected from the following module groups:

- A Production
- B Engineering
- C Management
- D Intercultural Communication
- E Special Profile

Mandatory

- Internship (9 weeks)
- Master thesis (3 months)

Admission requirements

- Bachelor of Engineering/equivalent
- TOEFL test/equivalent
- At least one year professional experience
- Excellent grades
- German knowledge is advantageous

Fees

- € 15,500 for the entire program (payable in four installments)
- Approx. € 350 per semester for public transport ticket and administration fees

Service Senior-junior program including pick-up from the airport, individual support and guidance

Application Annually from October to March

Start Annually in October



GPE is an international master study program of the Technische Universität Berlin



Studies

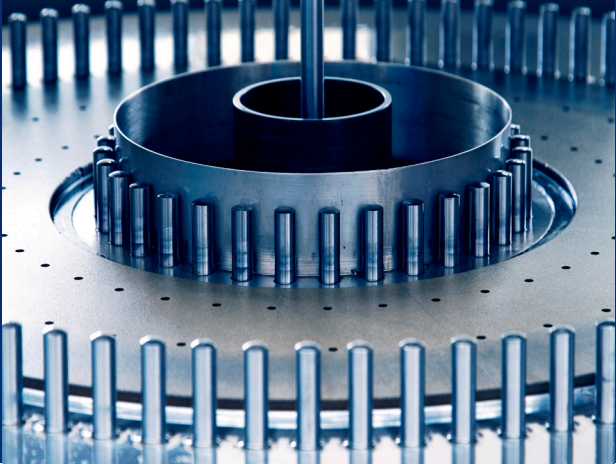
Students acquire:

- Competence in the transdisciplinary production technology with selected exemplary specializations
- Technological and economic system competence
- Problem solving skills in international engineering and management domains
- Knowledge in the field of renewable energy generation and management
- Social competence in intercultural communication and cooperation

The modular program structure allows students to set an individual focus, according to their personal interests, making it possible when desired to specialize at an early stage. The main focus can be on production technology, engineering, management, sustainable value creation or renewable energies. The capability of life-long learning in rapidly changing knowledge domains is fostered.

Graduates

Our alumni access technology-oriented companies and organizations and are enabled to be entrepreneurs with theoretical and practical problem solving skills. They are prepared for a career in multinational companies and organizations. Friendships formed during the studies are incorporated into an alumni partnership network. GPE graduates can use this network to look for international partners, jobs or employees and information about various regions of the world.

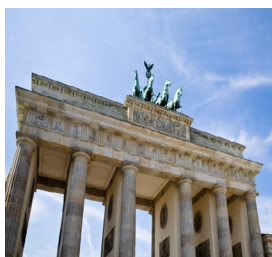


Compelling Reasons to Study GPE

- Graduates will be awarded a Master of Science degree from the TU Berlin, one of Germany's leading technical universities
- Skill development in Production, Engineering, Management, Intercultural Communication
- Taught by leading international academics and representatives from multinational companies
- Highly modular curriculum enables students to flexibly arrange their studies according to their personal preferences
- Strong, practical learning through business cooperation
- Global network of contacts with universities, industry representatives and graduates from all over the world
- Excellent career prospects



Study in the Heart of Europe



Berlin, the German capital, is the country's largest and most international city. It boasts a wealth of German and international associations, businesses and media organizations. Berlin is one of Europe's most important research and innovation centers.

The city has several development and production sites from global players in the mobility sector, like railway and automotive industry, as well as in the sector of renewable energies and electrical engineering. Furthermore Berlin is also Germany's startup hub.

Theaters, museums, galleries, concert halls, a flourishing arts and club scene combine to make Berlin one of the world's most vibrant cultural centers. GPE students will live in a city where a high standard of living is still affordable - a city considered one of the most exciting in the world.

Contact

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