Admission Requirements

A relevant Bachelor’s degree (or equivalent) is required for admission to the program. Professional experience is considered a valuable asset. Additional qualifications, e.g. social engagement, are also taken into consideration.

Relevant Bachelor’s programs include:
- Automatic Control & Systems Engineering
- Mechatronics
- Energy/Power Engineering
- Mechanical Engineering
- Environmental Engineering or technically related

Intercontinental Study Experience

Students have the opportunity to study in English, moving between Egypt and Germany for the different semesters.

Contact

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Zentral Institut El Gouna
Secretariat ACK 4-1
Ackerstraße 76
13355 Berlin
Germany

Campus El Gouna
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Egypt

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www.campus-elgouna.tu-berlin.de
www.facebook.com/CampusElGouna
Master Degree in IT for Energy

Information Technologies for Energy (ITE) is a new master program at TU Berlin Campus El Gouna. You can be one of the first students for this program. ITE is a unique master program in Egypt and the MENA region. ITE is a challenging and modern topic for study, practical work and research. The ITE program is dealing with the design, development, optimization and realization of fossil fuel- and renewable energy-based energy-conversion processes/plants with the support of information technologies. The ITE program covers the application of technologies developed in IT in the energy domain. The main application areas are within electricity generation, energy storage and consumption. Students will learn how to analyze, design, and implement information technologies to energy sector in order to increase energy efficiency, cost- and environmental effectiveness of the energy conversion processes/plants.

Graduates of the ITE program

• have in-depth knowledge as well as a wide range of methods at hand,
• are able to scientifically analyze and solve complex problems,
• are able to critically consider information and recent developments in the light of the latest findings from their disciplines and are able to deduct conclusions for their own work
• in addition to pronounced scientific and analytical skills they have acquired extensive teamwork and communication skills that will enable them to exercise leadership responsibility.

Upon completion of the program, successful students graduate with a Master of Science degree from Technische Universität Berlin, Germany.

Language of Instruction

All modules of the ITE program are given in English only.

Application

The master’s program ITE commences once a year in October. Please see the website for the application form, updated information on the deadlines, and required documents.

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Features

ITE is a full-time two year program that is arranged in four subject-specific areas: Energy Engineering compulsory modules, Interdisciplinary and -cultural module, Engineering electives and IT, Economics & Law electives. During the first and thirds semester the modules are offered in El Gouna, Egypt. The second semester is a mobility semester in Berlin and the location for the master thesis is chosen according to the subject.

Locations

Pursuing the ITE program at TU Berlin Campus El Gouna offers the exceptional opportunity to study at two very distinct locations that differ tremendously not only in size but also in their social, cultural, and ecological characteristics. This unique set-up constitutes ideal conditions for the students of Business Engineering to apply their newly gained knowledge to a wide number of diverse conditions and environments.

The town of El Gouna, about 20 km northeast of Hurghada International Airport, is nestled charmingly between artificial lagoons on Egypt’s stunning Red Sea coast. The 2012 opened TU Berlin Campus El Gouna is cited in the center of this reposeful environment, offering ideal study conditions through its outstanding infrastructure and award-winning architecture.

In sharp contrast to the tranquility of El Gouna, the German capital Berlin boosts with all the social and cultural amenities of a modern metropolis. Located in the heart of the city, TU Berlin’s mother campus, which accommodates some 32,000 students, displays an impressive and motivating backdrop for academic advancement and research.