

Required application documents

- University degree recognized by German universities in a relevant subject (as specified in the admission regulation)
- Tabular CV
- Motivational letter in English
- Proof of working experience of at least one year (preferably in the relevant working areas of energy)
- Proof of knowledge of the English language at least at level B2 of the Common European Framework of Reference for Languages (CEFR)
- Application form (from the website)

The application form and the application for a scholarship can be downloaded from our website:

<http://www.energiewende-studieren.de>

The number of students is limited to 30 per year. An admission committee will decide about selection based on results of former studies, the study profile, and further relevant qualifications that were attained outside university. You can send your application via email or via post.

The EUREF-Campus

The EUREF (European Energy Forum) Campus at the EUREF site at the historical Gasometer in Berlin-Schöneberg offers unique and attractive local conditions. The study location for the students becoming future energy experts is the so-called Watertower on the EUREF Campus. The campus is part of an innovative community of applied research, economics and political consulting that has sustainable action at the heart of its philosophy.

Studies take place in a practice-oriented environment in close cooperation with the companies based on the EUREF site. The buildings throughout the site have been renovated in accordance with strict energy efficiency criteria and provisions on the protection of sites of historic interest. They have been equipped with new, carbon-neutral heating and cooling systems.

Contact details

TU-Campus EUREF gGmbH
Torgauer Str. 12-15
10829 Berlin

Franziska Engels and Karoline Karohs

Tel.: +49 (0) 30-74 68 45 50
Fax: +49 (0) 30-74 68 45 52
kontakt@energiewende-studieren.de
www.energiewende-studieren.de

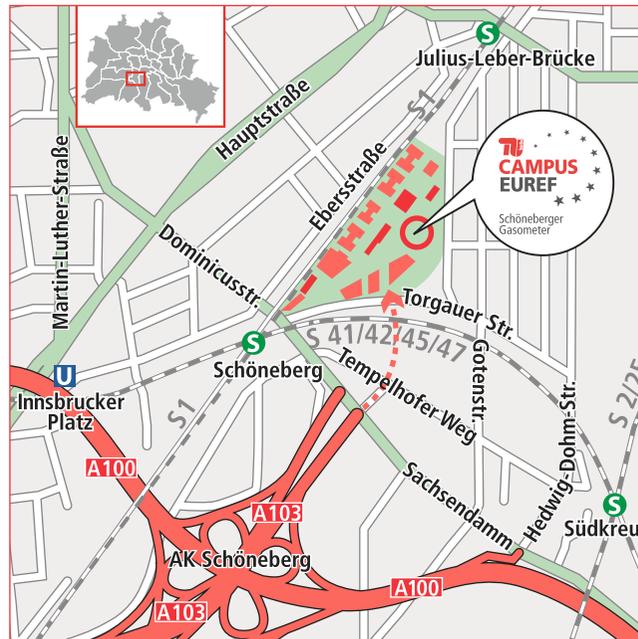
How to find us?

Public

Transport: S-Bahn station Schöneberg: S1, S41, S42, S45, S46
Buslines: Hauptstraße/Dominicusstraße: M48, M85, 104, 187
Bus station S-Bahnhof Schöneberg: M46, 248

Train: Train station Berlin Südkreuz (walking distance 10 min.)

Car: Urban motorway A 100, exit Sachsendamm



Energy

Energy Management (M.Sc.)

Executive Online-Master at the
Technical University Berlin
Taught exclusively in English

Introduction

Companies that are responsible for energy management nowadays have to realign to solutions that are guided by sustainability criteria. This implies an increased need for broadly educated, skilled employees. However, existing professional training offers do not quite meet this need due to their focus on management.

The TU Berlin's master program in "Energy Management" closes the educational gap in this field and prepares students for technical leadership positions in relevant energy utilities. The master program is taught in English so that it is attractive to international students and connects elements of blended learning methods with further parts of e-learning.

The program is a cooperation with Schneider Electric, a global corporation in energy management located at the EUREF Campus.

Program content

The central question of the program is how to maintain and develop today's energy infrastructure in a way that it meets the requirements resulting from both climate change and economic changes.

The „Energy Management“ program develops answers based on latest research combined with practice on the EUREF Campus – tomorrow's energy-efficient model city. The focus is on a holistic perspective that takes technical, economic, ecological, and legal aspects into account.

The master program is taught online over a duration of four semesters. The first three semesters include lectures, exercises and seminars as well as varied project works related to practice. The program will be completed by writing a master thesis in the 4th semester.

Module description

Basics – power grid

complex numbers, sources and loads, load flow calculation, three-phase systems, grid regulation, modeling

Economic basics and mathematics

business arithmetic, logistics, controlling, marketing

Energy management

state of the art of energy demand and supply, evaluation of government intervention in renewable energies, technological progress, energy and resource management, transformation of the German power generation systems, components of tomorrow's energy supply system, certification of the energy management system, LCA

Energy-efficient construction and building technology

principles of energy-efficient architectural design, low-energy concepts, active-energy systems, winter and summer case, building-energy-systems, water and electricity supply, implementation of renewable energies

Innovation and project management

innovation development and process development, sustainable production solutions, holistic evaluation of alternatives

1. Semester	2. Semester	3. Semester	4. Semester
Basics: Power grid	Energy management	Specialization I	Master thesis
Project: Power grid	Project: Energy management	Project: Specialization I	
Economic basics, mathematics	Energy efficient construction, building technology	Specialization II	
Power industry	Innovation and project management	Project: Specialization II	
24 CP	24 CP	24 CP	18 CP
4 semesters: 90 credit points			

Advantages and opportunities

Against the background of climate and economic changes, the "Energy Management" program deals with the challenges and opportunities in shaping our future infrastructure. It is extra-occupational and requires at least one year of postgraduate working experience.

Making use of emerging synergetic effects, the program allows for the development of solution strategies for the problems of the civil society. The focus is upon the students' learning process when using up-to-date teaching methods for imparting basic skills and linking to both practice and research.

Therefore, the program's interdisciplinary content, which covers the political, economic, technical and legal aspects of the energy markets, gives students and future employees a distinctive profile and qualifies them for a leading position in the energy sector. Learning and studying in small groups of up to 30 students allows for individual and excellent learning conditions.

Tuition fees

The tuition fees for the master program amount to 5,000 euros including administration fees for each semester. The latter amount to 285.83 euros (for winter semester 2013/2014) including the so-called semester ticket for the public transportation in the city of Berlin.

Application requirements

The application deadlines are March 15th for a start in April and September 15th for a start in October of the same year (program start depends on sufficient number of applicants).

Sponsors and supporters:

