



**ROYAL INSTITUTE
OF TECHNOLOGY**

Master's programme in Sustainable Energy Engineering

Programme start: Aug 2011

Presentation

The purpose of the SEE Programme is to provide state-of-the-art education in the fields of solar energy, power generation, and energy utilization in the built environment by means of economically and environmentally sustainable systems and technologies. Strong emphasis is placed on dealing with energy engineering tasks with due consideration of technical, environmental and socio-economic issues.

Programme Outline

The curricula for the three specialisations:

- Sustainable Power Generation
- Sustainable Energy Utilization in the Built Environment
- Solar Energy

are marked by an intensive introductory period followed by broad-based coursework giving participants a solid foundation for the particular study track. Advanced methods are applied to identify, describe, quantify and find solutions to a diverse range of energy engineering problems.

Participants gain proficiency in project design and implementation, operation and maintenance, as well as in crucial phases of policy generation. The programme also offers substantial coursework within a research preparatory perspective.

KTH Royal Institute of Technology is one of the top European universities within Science and Technology. A total of 17 000 students and a staff of 3 500 make it the largest technical university in Sweden. For 180 years, KTH has earned a reputation for pioneering research, engineering genius and science on the cutting edge. KTH is internationally minded with a large proportion of students from all over the world.

Degree awarded

"Teknologie masterexamen", translated into English as "Degree of Master of Science (Two Years)".

Duration

2 years, 120 ECTS

Contact

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Location

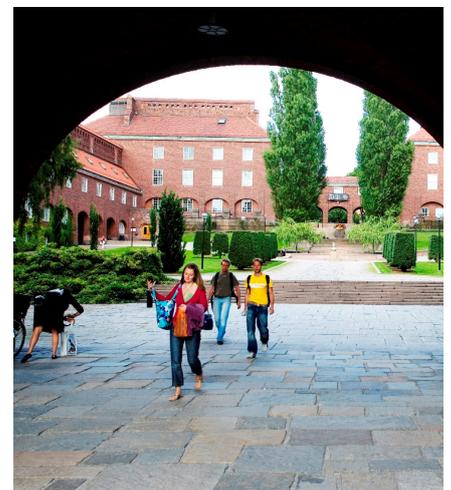
KTH Campus, Stockholm

Programme start

Late August, 2011

Deadlines

January 15th 2011





Course Overview

	Semester 1	Semester 2
Year 1	Introduction to Energy Technology Sustainable Energy Utilization Sustainable Power Generation Renewable Energy Technology Energy and Environment	Energy Management <u>Applied courses in either:</u> Sustainable Power Generation (SPG), Sustainable Energy Utilization (SEU), or Solar Energy (SOL, in conjunction with Dalarna University College, Campus Borlänge)
Year 2	Applied Energy Technology, Project Course Theory and Methodology of Science Additional advanced electives	Master's thesis

Master's Thesis

Each student is assigned a thesis project on which he/she typically works over a period of 5-6 months (30 ECTS). The project may be carried out either in an academic environment (university, research institute, or equivalent) or in an industrial setting (power plant, energy consulting agency, or other industry/business). Thesis projects conducted within the SEE Programme are often intimately linked to ongoing research activities at the Department of Energy Technology or collaborating groups at KTH.

Career Prospects

The energy field is an international and dynamic area where well-trained engineers are in demand. Most graduates find employment in their home countries, either in companies or government agencies (in the past a number of graduates have taken leaves of absence from their employers and returned with valuable skills and contacts). Some graduates find employment in Sweden or the EU with e.g. consulting companies. The SEE Programme is also an excellent starting point for a research career.



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The information in this brochure is valid for programme start in the autumn term of 2011. Please note that the programme and the application process are continuously updated. Detailed and current information is available on www.kth.se/int