

Master of Science in Engineering (Sustainable Energy)



In the coming decades, energy systems worldwide will undergo major changes and their stability and environmental, economic and social sustainability will be crucial. DTU is at the cutting edge in Europe regarding sustainable energy systems, and offers a high-level study programme in this field.

The aim of the special MSc programme in sustainable energy is to make the student an expert in various energy technologies and systems with focus on sustainability.

The special MSc programme consists of a mandatory first semester including the following 3 courses (10 ECTS points each) covering the main aspects of sustainable energy systems:

- Energy resources, markets and policies
- Modelling and analysis of sustainable energy systems
- Sustainability assessment of energy conversion and use

These 3 courses will be given at DTU in Lyngby. After the mandatory first semester the student may choose between a number of study lines, see below. Access to the study lines is conditional on required entrance qualifications though some of these skills can be obtained during the courses.

This MSc programme opens up many and various job opportunities in industry, government institutions and research centres. Professional tasks include the implementation of sustainable energy technologies within existing or new energy systems, energy system modelling and evaluation of impacts on ecosystems and society.

General programme

Master of Science in Engineering
(Sustainable Energy)

Study lines

Thermal energy
Biofuels
Electrical energy systems
Hydrogen and fuel cells
Energy savings

Application deadline

March 2010

Start

30 August 2010

Prerequisites

BSc degree in science or engineering

Programme coordinator:

Senior Scientist Peter Meibom
peme@risoe.dtu.dk

Departments

Risø DTU
Department of Electrical Engineering
Department of Mechanical Engineering
Department of Systems Biology
Department of Civil Engineering

Read more

<http://www.risoe.dtu.dk/Education/MSC.aspx>

Career opportunities

Industry, government institutions and research centres

Risø DTU

National Laboratory for Sustainable Energy