Target Audience

The MSc programme is designed for University graduates of Engineering, Geotechnical and Natural Sciences departments who wish to gain further expertise in the engineering aspects of the energy sector.

Ideal Career Path

There is a considerable demand for energy specialists with in-depth technical know-how as well as knowledge of economic issues and practical skills. Graduates of this programme have been recruited by leading companies and organizations in the energy sector. A number of our MSc graduates pursue further research studies towards PhD programmes.

The following indicative employment opportunities are available to our graduates after the completion of the MSc in Energy Systems:

- Senior technical positions in energy engineering
- Managerial positions in the booming energy sector as well as utilities management

In addition to technical skills gained through study, our students benefit from the University's excellent Careers Office. Thus, graduate students are fully prepared to take on the job market.

The University

The **International Hellenic University (IHU)** is the first Greek **public** University where programmes are taught **exclusively in English**. It is located in Thessaloniki, a vibrant student metropolis.

We are focused on attracting leading academics and outstanding students from Europe and across the world.

Where to find us

School of Science and Technology

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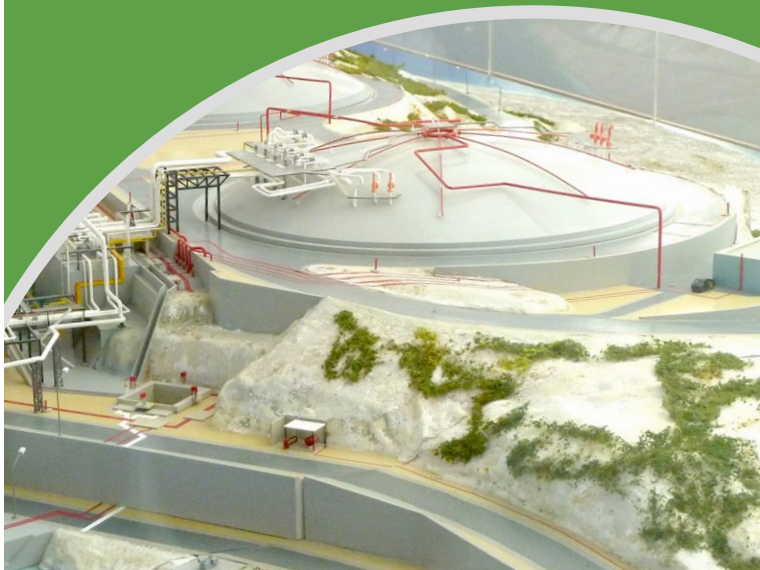
MSc in

Energy Systems



MSc in

Energy Systems

The Programme

The MSc in Energy Systems has been developed to equip graduates with an in-depth understanding of cutting edge energy issues in the industrial and commercial sectors. It provides up-to-date technical knowledge and skills required for achieving energy management, designing and modelling of energy systems and processes, efficient utilization of renewable and fossil energy sources, cost effective control and reduction of pollution.

Be a Specialist in the booming Energy sector!

Programme Structure

The Core Courses

First Term

- Quantitative Methods
- Fuels and Energy Conversion
- Energy Project Finance
- Energy Systems Simulation and Modelling
- Energy Law

Second Term

- Solar Power and Thermal Systems
- Alternative Fuels
- Advanced Energy System Operation and Design

The Elective Courses *(Choice of two Elective Courses)*

- Environmental Assessment
- Emission Control Technologies
- Wind and Hydro Power Systems
- Energy Auditing
- Energy Storage
- Oil and Gas Exploitation
- Energy Efficiency and Savings

The Dissertation

The dissertation provides a good opportunity to apply theory and concepts learned in various courses to real-world, energy-related issues or challenges. Students are supervised throughout their projects by a member of the academic faculty and the academic associates.

Schedule

Duration of the Programme

14-month full-time (FT) or **26-month part-time** (PT). Teaching takes place **weekday afternoons**.

Admissions

Our admissions policy supports equality of opportunity. We are focused on building a student community from various backgrounds and national origin.
To be considered for a Master's programme, candidates are required to have:

- A good university degree from a recognised University
- An English language certificate with a good score (IELTS or TOEFL or Proficiency)

Scholarships

The International Hellenic University offers **full-scholarships** to **exceptional prospective students**. To be eligible for the scholarship, you need to provide evidence of academic excellence such as a first class bachelor degree or an official document from the School that you have been among the top graduates of your class.

Furthermore, the IHU offers financial assistance to incoming students in the form of **tuition fee reductions**.
Award criteria include the quality of the first degree, the undergraduate grades of the candidate, his/her command of the English language and overall profile.