



### Target audience

The MSc programme is designed for University graduates in engineering as well as graduates of other study programmes such as Geotechnical and Natural Sciences departments with a suitable qualification who wish to deepen and expand their knowledge in the Energy Design of Buildings.

### Career Path

There is a considerable focus on addressing low carbon energy building and building integrated renewable energy technologies so graduates of this programme can expect to be highly sought after by employers.

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

- Senior technical positions in the construction/ renovation sector
- Managerial positions in the booming renewable energy sector as well as utilities management
- With government policymaking

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 and only 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 Building Design

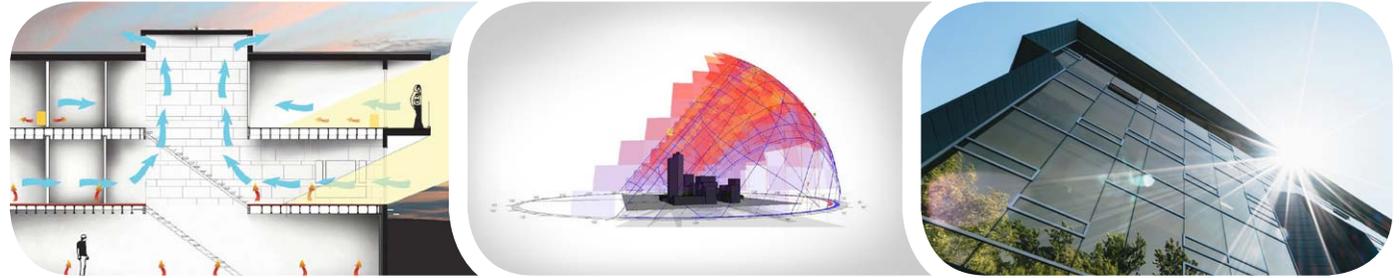
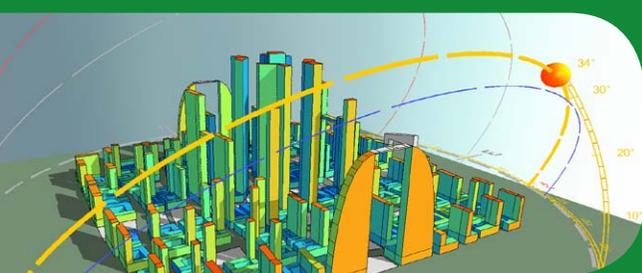


# MSc in Energy Building Design

## The Programme

As the world population urbanizes, planning and designing of resilient, resource efficient, healthy cities and metropolitan regions is of outmost importance. The MSc in Energy Building Design has been developed to equip graduates with an in-depth understanding within the area of energy-efficient and environmental building design. This knowledge will contribute significantly towards building or renovating energy-efficient buildings, taking into consideration the architecture, the environment, the inhabitants' behavior and needs, and their health and comfort under economic restrictions.

*Be a Pioneer in the  
Low Energy Building  
Design of future living!*



## Programme Structure

### The Core Courses

#### First Term

- ▶ Quantitative Methods
- ▶ Energy Design for Buildings
- ▶ Project Finance
- ▶ Project Management
- ▶ Heating, Ventilation and Air Conditioning (HVAC)

#### Second Term

- ▶ Efficient Refurbishment of Buildings
- ▶ Building Integrated Renewable Energy Systems
- ▶ Building Energy Performance Simulation and Analysis

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

- ▶ Energy and Environmental Law
- ▶ Energy Transmission and Storage
- ▶ Forecasting Methods
- ▶ Green Design and Planning for Hot Climates
- ▶ Life Cycle Assessment
- ▶ Modelling and Simulation of Building Integrated Solar Energy Systems
- ▶ Smart Cities

### The Dissertation

The dissertation provides a good opportunity to apply theory and concepts learned in various courses to real-world, Energy Building Design-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 on **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 **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.