



INTERNATIONAL
HELLENIC
UNIVERSITY

School of Science and Technology

Master of Science in
**Information and Communication
Technology Systems**

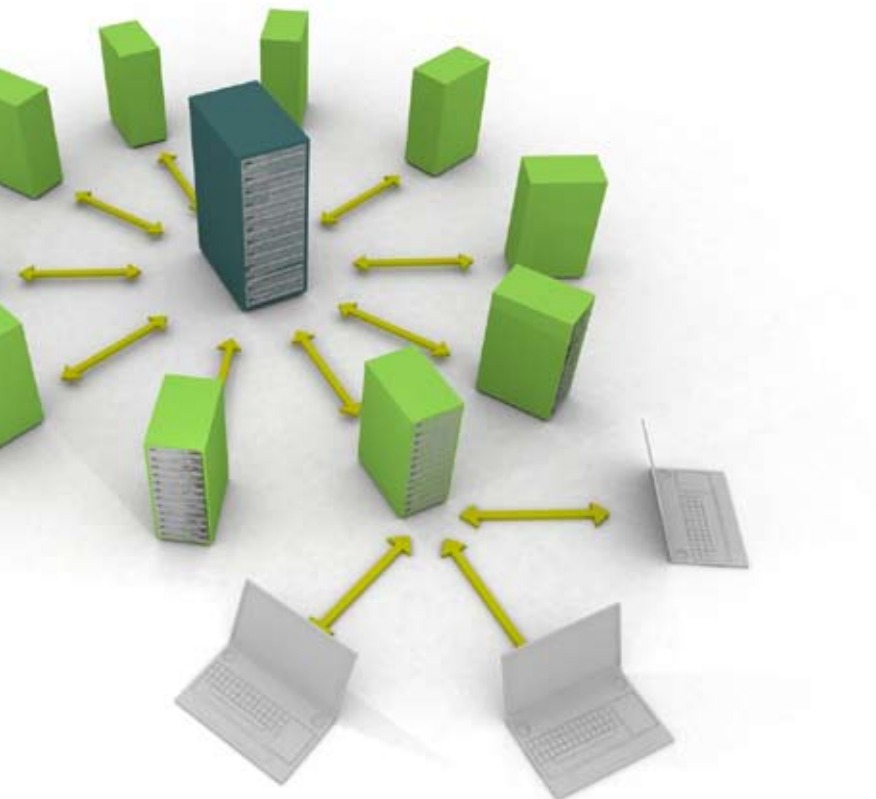


Master of Science in Information and Communication Technology Systems

MSc in Information and Communication Technology Systems (ICT)

Information and Communication Technology (ICT) Systems play a crucial role in all aspects of modern life and influence the performance of all service sectors. The course will appeal to graduates who wish to pursue a career in a range of ICT-related industries such as Communications, Informatics, Health Informatics, ICT for Sustainable Growth, etc., in the public and private sectors. The following streams within the postgraduate programme represent today's technological progress in business & society:

- Information Systems Management
- Communication Systems Management
- Health Information Systems
- Information Systems for Sustainable Growth



Programme Structure

The Programme consists of four core courses, two required specialised courses and three elective courses within four streams.* You are also required to complete a master's dissertation. The elective courses are available from a selection of subjects. They provide you with the opportunity to acquire in-depth knowledge within a specific subject area. The core courses help you to develop strong interdisciplinary technological, managerial and legal knowledge.

**Streams will be implemented depending upon student demand*

The Timetable

The course is a 12-month full-time programme of study. The same programme may be offered in a two-year part-time study mode.



1. Core Courses

These courses are required for all four streams of specialisation

- Introduction to ICT Systems
- ICT Management
- Decision Support Systems
- Web Information Systems

2. The Required and Elective Courses

The student chooses one of the four streams of specialisation and takes the two required courses for that stream, followed by three elective courses from the choice for that stream. The elective modules represent a rich variety of subject areas.*

Some are shared between the four different streams of the postgraduate programme.

**Some of the elective courses may not be offered in a particular year, depending entirely on student demand.*

Information Systems Management Stream

Required Courses for stream

- Advanced Information Systems: Design, Development and Maintenance
- Financial and Enterprise Information Systems

Electives:

- E-commerce & e-government
- Knowledge Management
- Multimedia Content Management
- Information Systems Security
- Database Management Systems
- ICT Law & Regulation

Communication Systems Management Stream

Required Courses for stream

- Mobile Communication Networks
- Computer Networks

Electives:

- Network and Services Management
- Multimedia Content Management
- Information Systems Security
- Marketing and Strategies for Telecommunication companies
- ICT Law and Regulation

Health and Information Systems Stream

Required Courses for stream

- E-health and Telecare
- Clinical Information Systems

Electives:

- Data Protection
- Medical Imaging
- Consumer Health Information Systems
- Database Management Systems
- Ubiquitous Computing
- ICT Law and Regulation

Information Systems for Sustainable Growth Stream

Required Courses for stream

- Sensor Networks
- Crisis and Disaster Management, Policies & Forecasting

Electives:

- Environmental Monitoring
- Geographical Information Systems and Remote Sensing
- Information Systems for Public Safety and Security
- Information Systems for Efficient Energy Management
- Ubiquitous Computing
- ICT Law and Regulation



3. Masters dissertation

As a part of the MSc programme, students work on a 3-month project relating to their academic interests and career aspirations. The Masters dissertation provides a good opportunity to apply theory and concepts learned in various courses to a real-world technological environment.

Admissions

While admission to the IHU is competitive, our admissions policy vigorously supports equality of opportunity. We are focused on building a student community which includes men and women from different backgrounds, abilities, economic circumstances, perspectives, races, religions and national origins.

When to Apply

IHU operates on a rolling admissions basis. This means that candidates apply for and are admitted to our programmes all year round. We suggest, however, that you apply as early as possible to ensure a quick response and place availability. We aim to provide decisions within two weeks of receiving your complete application. Please ensure that you complete the application form fully and submit all your supporting documents for us to make an informed decision.

Entry Requirements

For your application* for the IHU Masters to be considered you need:

- a good university degree from a recognised University (certified copy and transcript)
- a good IELTS or TOEFL score or a Certificate of Proficiency for graduates from non-English-speaking universities
- two academic references (both referees should have direct knowledge of your suitability for the specific Master programme)

A personal interview may be required

**Applications can be downloaded from our website:
www.tech.ihu.edu.gr*

Scholarships

Scholarships are available for exceptional candidates where financial need can be demonstrated.

Our Facilities

IHU is located on property specifically developed for facilitating modern learning. Equipped with state of the art information technology tools including online databases, a sophisticated e-learning platform, as well as an excellent learning resource centre providing a comprehensive, up-to-date selection of books and journals and an attractive area for study.

The campus is located conveniently close to Thessaloniki's Makedonia International Airport. Access to the city centre is easy.



Our Identity

The International Hellenic University (IHU) is Greece's first state university where programmes are taught exclusively in English.

With backing from the Greek State and the regional business community, the IHU aims to become one of Europe's key research institutions attracting leading academics and outstanding students from South East Europe (SEE) and across the world.



Our Strategy

- Provide research and education that meets the needs of the international community.
- Enhance understanding of the economic, socio-political and technological issues facing the region through teaching and research of the highest academic standard.
- Create an internationally diverse student and faculty community inspiring greater intercultural understanding.

The School of Science and Technology

Our strategic mission is to develop programmes that address the technological needs of SE Europe, in order to provide students with the knowledge and skills to secure a successful career in today's highly competitive job market.



The School is offering two MSc programmes in Energy Systems and in Information and Communication Technology Systems, both based on an interdisciplinary approach, combining the necessary technical knowledge with the increasingly important managerial skills and understanding of the regulatory and financial framework which are vital to today's technology manager.

Teaching staff of both international and national renown with long experience in research and teaching comprise our pool of visiting and resident faculty.

The School is increasingly developing strong industry linkages in applied research projects, focusing on areas of mutual interest. Excellence in the programmes offered is ensured by the proper synthesis of:

- modern curricula
- the best educators
- cooperation with the most active European research teams
- the respective qualifications of the students
- links and cooperation with industries in the wider European region



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