



Target Audience

The MSc programme is designed for University graduates of Telecommunications, Informatics/Computer Science, and Electrical Engineering but also of Natural Sciences and Mathematics departments with a strong background in ICT and strong motivation to pursue a career in Communications and Cybersecurity-related domains.

Ideal Career Path

Graduates from the MSc in Communications and Cybersecurity programme can play a pivotal role in the continuing operation of virtually any company or organization, by safeguarding their most valuable asset, their information. The employment opportunities include:

- ICT companies
- Government organizations and institutions
- Multinational corporations and SMEs
- e-Business companies
- Mobile network providers and broadband internet providers
- Sensor networks and telematics companies
- Consulting and auditing companies
- Research Institutes
- Education, training and certification
- Defense industry

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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study live excel
in **Thessaloniki**

MSc in

Communications & Cybersecurity



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The Programme

The MSc in Communications and Cybersecurity programme offers a rich curriculum emphasizing communication networks and their underlying technologies and vulnerabilities, while at the same time covering critical topics such as information security, forensics, legal and ethical issues etc. The lecture series by leading academics along with projects and dissertation work ensure that students graduate equipped with state-of-the-art scientific knowledge and modern practical skills, on their way to becoming highly competitive at an international level.

*Be in the front line
of a Business Digital
Protection Team!*



Programme Structure

The Core Modules

First Term

- ▶ Computer Networks and Services Management
- ▶ Web Programming
- ▶ Information Systems Security
- ▶ Data Protection and Cryptography
- ▶ Information Assurance

Second Term

- ▶ Software Development Methodologies
- ▶ Cyber Crime and Computer Forensics
- ▶ Wireless Communications & Networks

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

- ▶ Embedded Programming and Sensor Networks
- ▶ Knowledge Management in the Web
- ▶ Multimedia Compression and Processing
- ▶ Green ICT
- ▶ Intrusion Detection and Event Management
- ▶ Legal and Ethical Foundations of Privacy and Security

The Dissertation

The dissertation provides a good opportunity to apply theory and concepts learned in various courses to real-world, cybersecurity-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.