M.S. in Informatics

Your gateway to
leadership positions
in enterprise computing

Taught by a passionate team of scientists, technology experts and professionals, the M.S. in Informatics combines a tightly structured core curriculum in modern information systems with specialization in one of three high-demand Informatics sectors. The program will not only advance your expertise, knowledge and technical skills but also help you cultivate a forward-looking, strategic mind-set that will ready you for positions of greater responsibility.

The Program at a Glance

Duration	Language	Courses	Delivery Mode
18 months full-time	English	10 + Capstone	On-site or Online

Strengths of the Program

3 Specialization Tracks
More than half of the courses you take are in your selected specialization—Networks and Information Security; Business Computing and Big Data Analytics; or Mobile Application and Software Development.

Individual Attention
With your faculty mentor, student-centered teaching and small-sized classes, you receive individual attention to your needs and the opportunities to develop your talents and strengths.

Real-World Learning
Hands-on business case assignments and original research projects will challenge you to apply the theoretical knowledge you've acquired to create high-value products and services for real-world needs.

Well-Rounded Professionals
With the program's focus on technology for enterprise computing and the use of collaborative, project-based learning, you'll enhance your skills as project managers, information strategists, and members—and leaders—of project teams.

Industry Alignment
The Networking and Information Security specialization is one of the few programs worldwide that are aligned with the ISACA curriculum in Information Security, with the SAS Institute and the Cisco Academy.

Financial Aid & Scholarships

Hellenic American University admits students
on the basis of academic promise
and not on their ability to pay.
We provide guaranteed scholarship aid
to students with demonstrated financial need.
More than 90% of our students
received some sort of financial assistance
in the 2021-22 academic year.

For more information on our financial
aid program, contact an Admissions officer
at the College.

Admission Requirements

Minimum requirements for admission
to the M.S. in Informatics are:

• An undergraduate degree from an accredited
college or university with at least
a B (3.0) grade point average;

• For those applicants whose
native language is not English, the University
requires evidence of proficiency in English;

• A personal essay, submitted as part
of the application form,
and an interview with a member
of the Admissions Committee.

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The Director's Perspective on the MSI

Dr. Panayotis Kalozoumis

The Master of Science in Informatics at Hellenic American University offers a multidimensional and engaging learning experience that will get you ready for the highest demands of the Information Technology industry. Through its core courses and the three strands – Business computing & Big Data Analytics, Applications and Software Development, and Computer Networks & Security - the program spans the spectrum of the most sought-after specializations in modern Informatics and prepares you for globally recognized certifications from collaborating tech leaders such as CISCO and SAS. By the end of the program, you will have acquired a full toolkit of hands-on and theoretical knowledge for a successful career in the thriving field of Informatics.
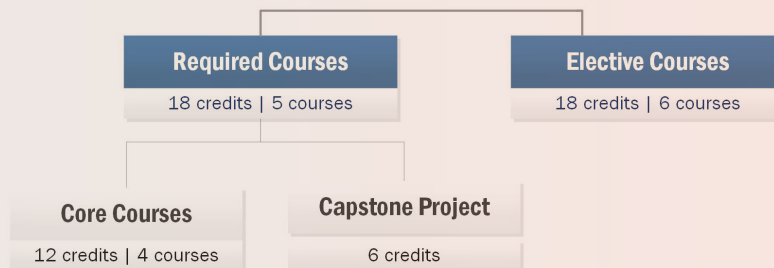
Overview of the M.S. in Informatics Program

You'll need to complete 4 required core courses and a master thesis, together with 6 elective courses in one of the following areas of specialization:

Specialization Tracks
- Business Computing and Big Data Analytics
- Mobile Application and Software Development
- Networks and Information Security

Master of Science in Informatics

Required Courses
18 credits | 5 courses

Elective Courses
18 credits | 6 courses

Core Courses
12 credits | 4 courses

Capstone Project
6 credits

Required Core Courses [all specializations]

Database Management Systems

Data and Communication Networks

Systems Analysis and Design

IT Management and Strategy

Additional electives are offered. For a list of all courses in the degree program, contact the Admissions Office or consult the online course catalog at https://www.hauniv.edu/masters-in-informatics

Indicative Specialization Electives

Business Computing & Big Data Analytics

Machine Learning & Text Analytics with SAS Viya

E-Business and E-Commerce Management

Data-mining and Data-Warehousing

Artificial Intelligence & Neural Networks

Graph Theory

Investigative Data Mining

Pattern Analysis and Detection

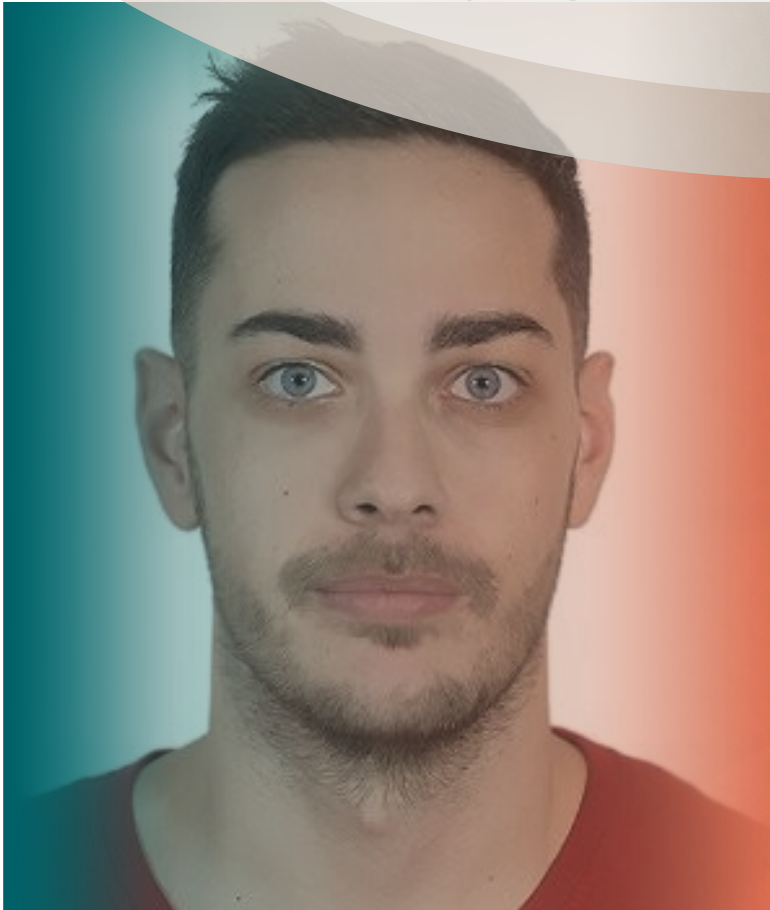Social Network Analysis and Mining

Game Theory

Mobile Applications & Software Development

Decision Support Systems

Enterprise Systems Applications

Application Development Environments

Human-Computer Interaction

Advanced Operating Systems

Advanced Programming Languages

Advanced Software Engineering

Networks & Information Security

Information Security Management

Governance and Compliance

Applied Cryptography

Network and Computer Security

Business and Continuity Management

Application Risk Management

What Students and Graduates Are Saying About the Program

Information security has always fascinated me, but I realized that I was missing an understanding of the risks involved. I chose to do this program, since it's known for its networking courses but also risk-based mind-set.

The courses helped me develop a scientific approach to identify what really matters in questions of business. Also, the accessibility and openness of the teachers, and their ability to direct my focus are very valuable. All this helped me get a promotion from Support Technician to the Information Security Department of my company.

My advice for working students who wish to do this program part-time is not underestimate the time you need to invest in it. Accept that you'll have little free time. But know that the program will really boost your knowledge. Trust in that and take advantage of the amazing guidance the University offers you along the way.

Michail Angelos, MSI '19

Studying at Hellenic American University has been a significant experience for me. As a professional and a student at the same time, I have gained knowledge through my MSc and skills that have helped me in my everyday work tasks. In addition, I have met great people like professors and friends. The university's staff is always helpful and offers guidance when needed, creating a very friendly environment for its students.

Dimitrios I. Petropoulos, MSI '20
Cyber Security Professional, ITCS

Accreditation & Certification

Accreditation

Hellenic American University is accredited by the New England Commission of Higher Education (NECHE), which the U.S. Department of Education recognizes as "a reliable authority on the quality of education for the institutions it accredits".

Certifications and Micro-credentials

Students completing the Networks & Information Security specialization qualify for one year of work experience towards the Certified Information Security Manager (CISM® designation). They are also well-prepared to successfully sit for CISCO's CCNA certification.

Students in the Mobile Application & Software Development track will be well-positioned to earn Microsoft MCSA certification.

Completing the SAS courses students can get the relevant SAS badges and pursue professional SAS certifications.

Career Paths

92% of the program's graduates are currently employed*, primarily in the IT field. Our graduates are employed in positions such as:

- Database administrators
- IT managers
- Software engineers
- Business and operations support analysts
- Systems and network administrators
- Information systems analysts
- Data scientists

Other career paths open to graduates, depending on their area of specialization, include data analysts, information architects, business analysts, e-commerce and web application developers.

*Statements refer to the 71% of alumni for whom data is available from the 2022 Hellenic American College Alumni Employment Survey.

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Hellenic American College has signed a cooperation agreement with Hellenic American University (New Hampshire, USA) that enables the College to offer the University's undergraduate and graduate degree programs at its facilities in Athens. Upon successful completion of their studies and the fulfillment of all degree requirements as specified in the relevant University Catalog, participants in these degree programs are granted a degree directly from Hellenic American University.