

2025

IONIAN UNIVERSITY

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Welcome to the Ionian University

Ionian University, spanning multiple Ionian Sea islands, offers unique programs across diverse disciplines. Committed to excellence, it fosters a student-centered academic community, combining quality education with innovation.

Students benefit from institutional support services, creating a close-knit academic "family" that promotes collaboration across disciplines. Continuous investment in research enriches both undergraduate and postgraduate programs, integrating cutting-edge knowledge into education. Additionally, the university plays a key role in lifelong learning and training, reinforcing its impact at regional, national, and international levels.

This document highlights Ionian University's distinctive educational identity, which not only supports students' academic and professional aspirations but also aligns with advancements in science, technology, arts, and humanities.

The Rector of Ionian University,

Professor Andreas Floros

Why Greece?



With a rich history of academic excellence, Greece is a top choice for international students. Home to some of Europe's oldest and most prestigious universities, Greece offers innovative programs designed to equip students with the knowledge and skills needed for success in their careers. At any given time, thousands of students from around the world are studying in Greece, drawn by its vibrant academic environment, affordable education, and unparalleled cultural heritage.

The country's safe and welcoming atmosphere, combined with its strategic location at the crossroads of Europe, Asia, and Africa, makes it an ideal destination for those seeking a globally connected education.



Why Corfu?

At the Ionian University, we strive to make a difference through innovation.

The Ionian Islands, and particularly Corfu, offer an exceptional environment for academic studies, combining rich history, cultural vibrancy, and breathtaking natural beauty. As a UNESCO World Heritage Site, Corfu enchants students with its Venetian architecture, diverse artistic heritage, and dynamic cultural scene.

Strategically located at the crossroads of Europe and the Mediterranean, Corfu is easily accessible via Ioannis Kapodistrias International Airport (CFU), which connects the island to major European cities year-round. For example:

- Athens (1 hour domestic flight)
- Igoumenitsa (1.5 hours by ferry)

With its high quality of life, welcoming atmosphere, and strong academic tradition, Corfu is an inspiring destination for students seeking a unique and globally connected educational experience.



About the Ionian University

Ionian University was established in 1984 in Corfu, Greece, a city recognized as a UNESCO World Heritage Site for its exceptional architectural beauty, rich historical significance, and vibrant cultural heritage. The university carries forward the intellectual legacy of the Ionian Academy, the first Greek university, which operated in Corfu from 1824 until the Ionian Islands' unification with Greece in 1864.

IU Campus





IU Greek Education Concept

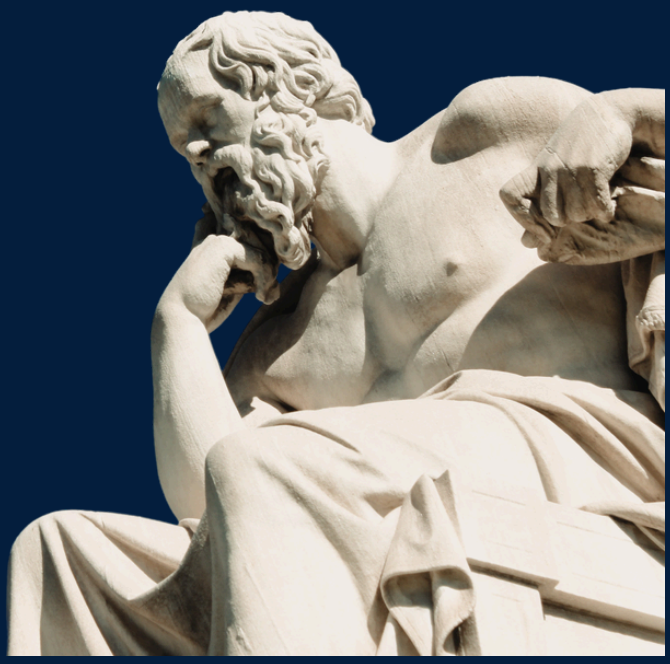
Ionian University

ionio.gr/en

Ionian University consists of five Faculties and ten Departments, located not only on Corfu (its seat) but also on three other islands: Kefalonia, Zakynthos, and Lefkada. The subjects studied and the curricula of the University Departments in the humanities, science, economics and the arts exhibit a notable degree of originality. Some of them are unique in Greece, complementing this originality with a high degree of interdisciplinarity.

Employment Prospects

The graduates of the University have brilliant academic and research prospects. Having a solid educational and research presence in the national and international academic and research world, Ionian University offers the necessary skills for a successful professional or academic career through its undergraduate studies, Master's programs and several opportunities for doctoral and postdoctoral research it provides.



Facilities

Guided by high-quality criteria and focusing primarily on the students, academic life is characterised by responsiveness and the provision of a variety of educational and pastoral services available to students, such as:

Accommodation and Catering Services
Many students are offered free accommodation based on financial and social criteria. In addition, student restaurants operate on every island with a university department.

Library and Information Center
A modern university library offers approximately 80,000 titles of documents (books, brochures, offprints, audiovisual material, etc.), as well as digital copies and subscriptions to electronic databases (https://library.ionio.gr/en/).

Studies abroad with the Erasmus+ Programme
This program allows students to study or do an internship abroad and learn foreign languages at about 250 partner universities with which Ionian University cooperates (https://sites.ionio.gr/international/en/).

Internships
During their undergraduate studies, students have the opportunity to complete training for two months in public or private institutions in any city of Greece under the guidance of an employee of the host institution and the supervision of faculty members from Ionian University.

Training & Lifelong Learning Centre
The centre provides professional development, training, and lifelong learning programs to higher education graduates, employees of companies and organisations, or adults in general, offering certification to the trainees (https://kedivim.ionio.gr/).

Research

Research is an essential pillar of the activities of Ionian University, and the **University Research Centre** has recently been added to the crucial research ecosystem. The centre aims to support cutting-edge research, junior researchers, and interdisciplinary projects; it fosters connections with centres of excellence, manages the creation of knowledge repositories, and promotes applied research at the regional level, as well as collaborations with entities responsible for the exploitation of research results (https://urc.ionio.gr/en/).

The social impact of the operation of Ionian University is ongoing, focusing on the Region of the Ionian Islands and beyond. Through actions such as the establishment of the network of **Museums of Ionian University**, the **establishment of the UNESCO Chair** against Threats to Cultural Heritage, the recent establishment of the Ionian Hall of Science, and the founding participation in the **International Network of Scholars at Risk (SAR)** in Greek higher education institutes, Ionian University makes a significant contribution to several vital areas, responding to actual societal needs.



Student Visa

Foreign students from other countries (third countries), who have been issued a national entry visa for studies (D 1.1. "Studies") by the Greek consular authorities in their country of origin must apply for a residence permit for studies within 90 days of their arrival in Greece.

The application for the residence is operated on the Decentralized Administration of the place of Residence of the student.

STUDENT VISA & RESIDENCE PERMIT COSTS FOR FOREIGN STUDENTS

- Greek Government Fee: €150
- Greek Government Fee: €16
- Lawyer's Fee: €500 + VAT

The duration of the visa is determined based on the total length of the academic program.

Our team manages the entire application process for each student, ensuring a smooth and efficient procedure.
For further information, please contact us at: amyedu@gmail.com.

List of Required Documents

A copy of a valid passport or a travel document recognized by Greece

(*) National entry visa (VISA D for studies).

A certificate confirming that an application has been submitted to the relevant social security institution for obtaining full health insurance covering all risks insured for nationals, or a private insurance policy.

(*) A certificate of registration and payment of fees at the relevant educational institution, where required, or a certificate confirming acceptance for enrollment.

(*) Proof demonstrating that the applicant has sufficient financial resources to cover study and living expenses.

Parental or legal guardian consent for the intended stay, in case the applicant is under 18 years old.

If a third-country national applies for a residence permit for studies with a validity period equal to the maximum duration of the specific study program, a certificate from the relevant educational institution must be submitted, stating the total duration of the study program the applicant will attend.

A certificate of proficiency in the Greek language from the relevant educational institution, where required as a prerequisite for the student's enrollment.

Department of Tourism

BSc Hospitality & Tourism

Specialization in Digital Technologies and Applications*



Short Description

The **Department of Tourism** was founded in 2018 and is based in Corfu. Its mission is to provide a solid academic background in the scientific field of Tourism and an interdisciplinary approach by offering courses in Management, Economics, Informatics, Marketing, Sustainable Development, and International Relations. The philosophy of the Department's curriculum examines the nature and characteristics of the tourism industry.

It explores how it can be promoted, managed, and transformed with the support of modern management tools but also with the contribution of digital technologies. The vision of the Department is to develop, compose, and integrate the scientific fields related to tourism development and management of tourism and hospitality firms. The fulfilment of this vision will be achieved through excellence in education and research and joint initiatives with tourism sectors.

** CURRENTLY UNDER ACCREDITATION.*

Key Facts

Admission Requirements

- High school diploma or equivalent.
- English language proficiency (B2 level), demonstrated through recognized certifications or equivalent exams.

Credit Requirements

- The program follows the European Credit Transfer and Accumulation System (ECTS).
- A total of 240 ECTS is required for degree completion.

Program Duration

- Four (4) academic years, structured into eight (8) semesters.
- Combination of theoretical courses, with hands-on exercises in the field.
- Prepares students for careers in tourism sector.

Internship Opportunities

- Optional for students who have completed at least 180 ECTS.
- Must be relevant to the program's subject areas and approved by the Program Director.
- Selection priority is given based on ECTS credits earned and GPA.

Language of Instruction

- The official language is English.
- All courses, exams, assignments, and academic activities are conducted exclusively in English.

Greek Language Courses

- Optional Greek language courses are available.
- Offered at different levels, either in-person or online, based on students' needs.

Year 1: Foundations of Hospitality and Tourism

Semester 1 / 6 months	Semester 2 / 6 months
Introduction to Hospitality and Tourism	Business Operations Management
Principles of Management Science	Information Systems Management
Basic Business Statistics	Financial Accounting
Introduction to nformation Technology	Sustainable Tourism Principles
Fundamentals of Marketing	Consumer Behavior in Tourism
Intercultural Communication in Tourism	Tourism Geography

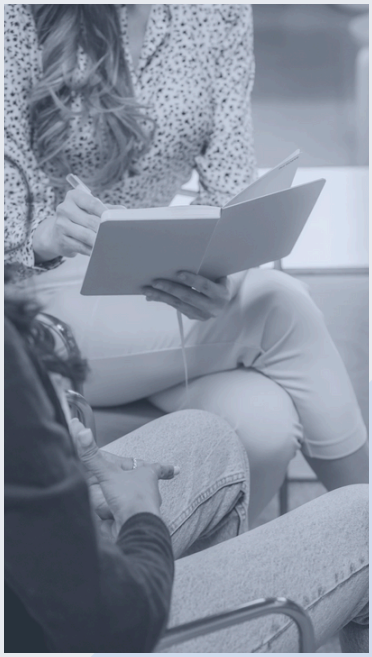
Year 2: Core Industry Knowledge & Digital Integration

Semester 3 / 6 months	Semester 4 / 6 months
Tourism Economics	Sustainable Management Practices and Policies in Hospitality
Hospitality Management	Cloud Computing and CRM Systems in Hospitality and Tourism
Event Planning and Management	Human Resources Management in Hospitality
E-Business in Hospitality and Tourism	Services Marketing
Programming Basics for Hospitality Applications	Digital Marketing and Social Media in Hospitality and Tourism
Sustainable and Ethical Digital Practices	Strategic Management in Hospitality and Tourism

Year 3: Specialization & Emerging Technologies

Semester 5 / 6 months	Semester 6 / 6 months
Artificial Intelligence in Tourism and Hospitality	Blockchain and Secure Transactions in Hospitality and Tourism
Smart Cities and Internet of Things (IoT) in Tourism	Cultural Heritage Management
Metaverse and Immersive Technologies in Tourism	Crisis and Risk Management in Tourism
Thematic Tourism	Innovation and Entrepreneurship in Hospitality and Tourism
Big Data and Business Intelligence in Hospitality	Total Quality Management in Hospitality and Tourism
Business Research Methods and Data Analysis	Elective: Augmented and Virtual Reality for Tourism/ Robotics and Automation in Hotels

Disclaimer: the above list of courses is indicative only and non-exhaustive. All modules are subject to variation and/or substitution without notice. The program is currently under accreditation.



Year 4: Applied Learning and Capstone

Semester 7 / 6 months	Semester 8 / 6 months
Cybersecurity and Data Protection in Hospitality and Tourism	Negotiation and Conflict Management in Tourism
User Experience & Digital Personalization in Tourism	Mobile Applications and Smart Tourism
Cloud-Based Property Management Systems	Dissertation
Geographic Information Systems (GIS) in Tourism	
Project Management	

Electives & Special Topics

- Tourism Geopolitics
- Business Planning
- Food and Beverage Management in Hospitality and Tourism
- National Tourism Policies

Capstone & Career Pathways

Final year Capstone Project integrating Digital Technologies in Hospitality & Tourism.

Internship with digital hospitality firms, travel technology startups, or smart city tourism initiatives.

Career preparation for roles in digital hospitality management, AI-driven tourism analytics, smart tourism planning, and travel tech entrepreneurship.



Tourism Internship Opportunities

The Internship Program provides students with the chance to gain practical work experience by applying their academic knowledge in real-world professional environments. As an optional part of the undergraduate curriculum, the internship allows students to develop professional skills, familiarize themselves with industry practices, and enhance their problem-solving abilities. It also promotes international collaboration by bridging academic studies with the job market on a global scale.

Internship Placements

Students can complete their internships in hotels and tourist accommodations (e.g., luxury resorts, boutique hotels, and traditional guesthouses), private or public organizations related to the tourism industry, tour operators and travel agencies offering inbound and outbound travel services etc.

Examples of Internship Locations in the Ionian Islands

Students pursuing an internship in Tourism can gain hands-on experience in top-rated accommodations, such as:

- **Barbati Hotel & Villas (Corfu)** – A luxury resort offering exposure to hotel management and guest relations.
- **Ikos Dassia (Corfu)** – A five-star beachfront resort with high-end hospitality services.
- **Domes Miramare (Corfu)** – A prestigious adults-only luxury resort with a focus on exclusive guest experiences.
- **MarBella Corfu** – A renowned resort where students can engage in operations, marketing, and customer service.
- **Porto Galini Seaside Resort & Spa (Lefkada)** – A scenic retreat ideal for learning about resort management and wellness tourism.

International Internship & Mobility Programs

Students can also participate in mobility programs such as ERASMUS+ (e.g. Erasmus Mundus Joint Master Degrees), which offer opportunities to complete their internships in an international setting, further expanding their professional and cultural experience.

For more details on eligibility, selection criteria, and application procedures, visit the Department's website: https://internship.di.ionio.gr/.

MSc Digital Technologies
in Hospitality Management & Tourism

Short Description

This Master focuses on integrating cutting-edge digital technologies such as AI, IoT, and analytics to enhance guest experiences and operational efficiency in hospitality and tourism. Students explore innovative solutions for customer engagement, service optimization, and personalization of hospitality products and services. Graduates become skilled in digital transformation strategies within hospitality industries.

Year 1	
Semester 1 / 6 months	**Semester 2 / 6 months**
Innovation in the Digital Era	Risk and Crisis Management in the Tourism and Hospitality Sector
Digital transformation of Hospitality Businesses	Digital and Mobile Marketing
Strategic Planning of Hospitality Businesses	Business Intelligence in the Tourism Sector
Social Media for Tourism	Human Resources Management in Tourism Businesses

Year 2
Semester 3 / 6 months
Research Methodologies in the Digital Era
Thesis

Electives Electives S1 (Selection 2 out of 3 for each Semester)	
Semester 1 / 6 months	**Semester 2 / 6 months**
Touristic Information User Behaviour	Digital Representation of Tourism and Cultural Artifacts
Smart Technologies in the Tourism Sector	Entrepreneurship in Creative Economy and the Tourism Sector
Globalization, Society and Tourism	Digital Technologies for Thematic, Alternative and Sustainable Tourism

PhD program in Hospitality Management and Tourism

- Topic to be defined.
- Option for Industrial PhD.

Department of Informatics

BSc Informatics

Specialization in Bioinformatics, Data Science, and AI*



Short Description

The **Department of Informatics** has been operating in Corfu since 2004-2005 and deals with theoretical and applied Informatics. The Department's purpose is to cultivate and promote the Science of Computing, focusing on the theory and applications of Informatics in the areas of Humanistic Informatics as well as on the design, development, operation, and management of Information Systems.

With strong international presence, a variety of international conferences, well-established summer schools and dynamic Research Laboratories, the Department acts as a point of excellence and reference within the local community and the broader Ionian region.

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Our Mission

01

Research

The Department runs five (5) Research Laboratories: 1. Bioinformatics and Human Electrophysiology (BiHELab), 2. Computational Modeling (CMODLab), 3. Humanistic and Social Informatics (HILab), 4. Information Systems and Databases (ISDLab), and 5. Networks, Multimedia, and Security Systems (NMSLab).

02

Summer Schools

Summer schools are a unique opportunity for researchers and scientists from around the world to participate in state-of-the-art research and teaching activities and to exchange innovative ideas and methods while exploring the beautiful island of Corfu. The summer schools organised by the Department include, among others, summer schools in Environmental Informatics, Educational Technologies, Digital Technologies, Innovation in Tourism Entrepreneurship, Robotics and Programming, Information Communication Security,

03

International Collaborations

The Department has signed bilateral agreements with 16 higher education institutions for the mobility of students, teaching staff, and administrative personnel via the Erasmus+ Programme. These collaborations include countries such as Cyprus, Norway, Portugal, Italy, Spain, Finland, Malta, Germany, Croatia, and Latvia.

04

Conferences

The Department organises international conferences, workshops, events, and lectures focused on topics related to the science of Informatics. Examples of conferences, workshops, and events organised by the Department include, among others, the "Genomics, Neuroscience, Therapeutics and Data Innovation Summit", the "International Workshop on Semantic and Social Media Adaptation & Personalisation", the "South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference", and the "Mediterranean Conference on Information Systems".

Key Facts

Admission Requirements

- High school diploma or equivalent.
- English language proficiency (B2 level), demonstrated through recognized certifications or equivalent exams.

Credit Requirements

- The program follows the European Credit Transfer and Accumulation System (ECTS).
- A total of 240 ECTS is required for degree completion.

Program Duration

- Four (4) academic years, structured into eight (8) semesters.
- Combination of theoretical courses, lab exercises, and research activities.
- Prepares students for careers in Bioinformatics, Data Science, and Artificial Intelligence.

Internship Opportunities

- Optional for students who have completed at least 180 ECTS.
- Must be relevant to the program's subject areas and approved by the Program Director.
- Selection priority is given based on ECTS credits earned and GPA.

Language of Instruction

- The official language is English.
- All courses, exams, assignments, and academic activities are conducted exclusively in English.

Greek Language Courses

- Optional Greek language courses are available.
- Offered at different levels, either in-person or online, based on students' needs.

Year 1: Foundations

Semester 1 / 6 months	Semester 2 / 6 months
Introduction to Informatics	Data Structures and Algorithms
Programming Fundamentals (Python, R)	Object-Oriented Programming (Java/C++)
Calculus I	Calculus II
General Biology I	General Biology II
Academic Writing & Communication	Ethics in Technology and AI
Introduction to AI and Machine Learning	Discrete Mathematics

Year 2: Core Computing and Biology

Semester 3 / 6 months	Semester 4 / 6 months
Databases and SQL for Bioinformatics	Advanced Programming (Python for Data Science)
Linear Algebra	Machine Learning Foundations
Probability and Statistics	Biostatistics
Molecular Biology	Introduction to drug design
Introduction to Data Science	Introduction to Bioinformatics
Computational Thinking	Data Visualization Techniques

Year 3: Specialization and Research

Semester 5 / 6 months	Semester 6 / 6 months
Deep Learning and Neural Networks	Natural Language Processing for Biology
Genomics and Next-Generation Sequencing	Advanced Bioinformatics Algorithms
Cloud Computing for Big Data	Computational Systems Biology
Statistical Computing (R and Python)	Big Data Analytics
AI in Healthcare and Bioinformatics	Data Ethics and Privacy
Research Methods in Informatics	Elective: Biomedical Signal Processing / Structural Bioinformatics

Year 4: Specialization and Research

Semester 7 / 6 months	Semester 8 / 6 months
Reinforcement Learning in Bioinformatics	AI for Drug Discovery
High-Performance Computing for Data Science	Capstone Project in AI and Bioinformatics
Image Analysis in Medical AI	Scientific Writing and Presentation
Elective: Blockchain in Healthcare / Computational Neuroscience	Entrepreneurial Strategies in Tech & AI
Internship or Industry Project	Elective: Robotics in AI Healthcare / Personalized Medicine with AI

Disclaimer: the above list of courses is indicative only and non-exhaustive.
All modules are subject to variation and/or substitution without notice

Electives & Special Topics

- Biomedical Image Processing
- Quantum Computing for Bioinformatics
- Advanced Topics in AI Ethics
- Synthetic Biology and Computational Modeling

Capstone & Career Pathways

- Final year Capstone Project integrating AI, Bioinformatics, and Data Science.
- Internships with biotech companies, healthcare institutions, or AI startups.
- Preparation for graduate studies or roles in AI research, healthcare analytics, biotech R&D, and more.



Informatics Internship Opportunities

The Internship Program allows students to gain practical experience by applying their academic knowledge in real-world professional environments. Internships can be conducted in private or public organizations, research centers, and technology companies related to Informatics.

The internship can take place in private or public organizations, research centers, technology companies, or other entities operating in the field of Informatics.

The terms, conditions, and selection criteria are determined by the Department Assembly, with detailed information available on the Department's website.
More information: https://internship.di.ionio.gr/









Examples of Internship Locations

Within the Ionian Region

- **Ionian TechnoMedia** – Focuses on digital communication and media technologies.
- **Smart Senslon** – Specializes in civil protection and primary sector technologies.

Beyond the Ionian Region

- **ATCOM S.A. (Athens) –** A digital business agency known for its web content management system, Netvolution.
- **Globe One Digital (Athens)** – A leading European digital marketing agency.
- **Byte S.A.** – A top provider of integrated IT and communications solutions in Greece.
- **Entersoft** – A major business software company offering ERP, CRM, Retail, Mobile, and E-Commerce solutions.
- **Intrasoft International** – A global IT solutions and services group with a strong presence in Greece.
- **Research Centers** – Various institutions across Greece working on ICT development and innovation.

International Internship & Mobility Programs

Students can also participate in ERASMUS+ (e.g. Erasmus Mundus Joint Master Degrees) and other international mobility programs to complete their internships abroad, gaining global industry exposure.

For more details, visit the Department's website: https://internship.di.ionio.gr/.

MSc Ethics in Information Technology

Short Description

This Master of Science explores ethical considerations in the design, implementation, and management of information technologies, focusing on privacy, data security, and responsible AI usage. Students learn to navigate complex ethical dilemmas and develop policies ensuring ethical standards. Graduates become leaders promoting accountability and transparency in IT environments.

Key Facts

- Program Duration: One (1) academic year, structured into four (4) trimesters.
- Language of Instruction: English (B2 level).
- Credit Requirement: A total of 60 ECTS is required for degree completion.

Year 1		Year 2	
Semester 1 / 6 months	**Semester 2 / 6 months**	**Semester 3 / 6 months**	**Semester 4 / 6 months**
Regulatory Ethics and Post-Ethics	Ethics, Law and Information Technology	Introduction to Artificial Intelligence	Capstone Project
Empirical Bioethics and Regulatory Framework of Contemporary Sociological Challenges	Electronic Crime	Computer Security and Industrial Economy	
Human Rights and Research Ethics	Metaverse and Ethics	Globalisation and Artificial Intelligence	

MSc Bioinformatics and Digital Biomedicine*

Short Description

This Master combines biological sciences with computational tools to analyze biomedical data and genomic information. Students gain skills in data mining, algorithm development, and interpretation of biological big data for medical innovation. Graduates are prepared for roles in bioinformatics, personalized medicine, genomics research, and digital biomedicine solutions.

Key Facts

- Program Duration: one and a half (1.5) academic years, structured into three (3) semesters.
- Language of Instruction: English (B2 level).
- Credit Requirement: A total of 90 ECTS is required for degree completion.

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Year 1		
Semester 1 / 6 months	**Semester 2 / 6 months**	
	Direction "Digital Biomedicine"	Direction "Bioinformatics"
Advanced Mathematical Techniques for Biomedical Data Science	Big Data and Cloud Computing in Digital Health	Computational Biology and Systems Medicine
Machine Learning and AI for Biomedical Applications	AI-driven Diagnostics and Decision Support Systems	Omics Data Integration for Precision Medicine
Precision Medicine and Pharmacogenomics	Ethics, Regulations, and Data Privacy in Digital Biomedicine	Clinical Pharmacology and Therapeutics
Medical Imaging and Signal Processing with AI	Digital Therapeutics and Smart Healthcare Systems	Machine Learning in Next-Generation Sequencing Data
Year 2		
Semester 3 / 6 months		
Diploma thesis		

Joint MSc Clinical Trial Design and Modeling of Clinical Processes and Data*

Ionian University & University of Texas Health Science Center at Houston (UTHealth), USA

Short Description

This new international Master's program is a collaboration between the Ionian University and UTHealth in Houston, USA. It focuses on the design, implementation, and data modeling of clinical trials and related biomedical processes. The program provides a unique interdisciplinary education combining clinical research, digital health technologies, data science, and regulatory compliance.
Through this collaboration, students will benefit from global expertise, access to cutting-edge knowledge, and strong professional development opportunities in the growing field of clinical trials and digital biomedical research.

Key Facts

- Program Duration: one and a half (1.5) academic years, structured into three (3) semesters.
- Language of Instruction: English (B2 level).
- Credit Requirement: A total of 90 ECTS is required for degree completion.
- Third semester devoted at Master's Thesis

Academic Objectives & Curriculum

The program aims to train students in:

- Designing and coordinating clinical trials
- Managing and analyzing data using modern digital tools and Artificial Intelligence
- Complying with national and international regulatory frameworks (e.g., ICH-GCP)
- Applying machine learning techniques for clinical pattern recognition
- Developing advanced research skills in areas such as electronic health records, decision support systems, and digital modeling of biomedical data

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Year 1		Year 2
Semester 1 / 6 months	**Semester 2 / 6 months**	**Semester 3 / 6 months**
Principles of Clinical Trials	Approval Processes and Data Management in Clinical Trials	Diploma thesis
Design and Interpretation of Clinical Trials	Clinical Trial Data Analysis Methods	
Clinical Trials Regulation, Legislation and Policies	Artificial Intelligence and Data Mining in Clinical Trials	
Safety Monitoring in Clinical Trials, Surveillance and Inspection of Clinical Trials	Clinical Trial Reporting Requirements and Regulatory Framework	

Innovation, Uniqueness & Relevance

This Master's program is the first of its kind in Greece to integrate clinical trial design with data modeling and artificial intelligence. It addresses urgent national and international needs for:

01

Clinical research coordinators

02

Regulatory affairs experts

03

Biomedical data analysts and digital health specialists



Career Prospects & Competitiveness

Graduates will be highly competitive in fields such as:

- Pharmaceutical and biotech industries
- Contract Research Organizations (CROs)
- Research centers and academia
- Health regulatory authorities

The program offers excellent prospects for employment in both national and international markets, supported by strong academic and industry networks.

Research & International Collaborations

The Bioinformatics and Human Electrophysiology Laboratory of Ionian University has more than 40 research collaboration activities worldwide, with internationally renowned institutes, universities and networks of excellence, including the **European Digital Innovation Hub Health-Hub**, the Precision Medicine Center of Excellence in Alzheimer's Disease at **Johns Hopkins University**, the **University of Texas Health Science center** at Houston, the **Wilfrid Laurier University**, the **Central Institute for Translational Cancer Research TranslaTUM**, the Competence Center **PYTHEIA**, the **Foundation for Research and Technology - Hellas, the National Centre For Scientific Research Demokritos**, the **Cyprus University of Technology**, the clinical-stage biotechnology company **TREEWAY**, the **Hellenic Initiative Against Alzheimer's Disease** and others.

Through these collaborations, students will have the opportunity to gain research skills and hands-on experience working on advanced topics that lie at the intersection of bioinformatics, clinical research, and artificial intelligence. Key areas of research include the computational modeling of neurodegenerative diseases, where students apply computational methods to understand disease mechanisms and progression. Additionally, students will work on the development and validation of predictive AI models, contributing to innovations in diagnostics and personalized medicine. The program also emphasizes designing and modeling clinical trials, equipping students with skills in statistical analysis, regulatory knowledge, and ethical considerations essential for effective clinical research. Furthermore, participants will explore advanced methods for modeling clinical processes and managing large clinical datasets, enabling data-driven decision-making. Finally, research will extend into public health informatics, providing tools and models for disease prevention strategies, epidemiological analyses, and health policy support. This comprehensive and interdisciplinary training prepares students for impactful careers for research in healthcare technology and biomedical innovation.


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