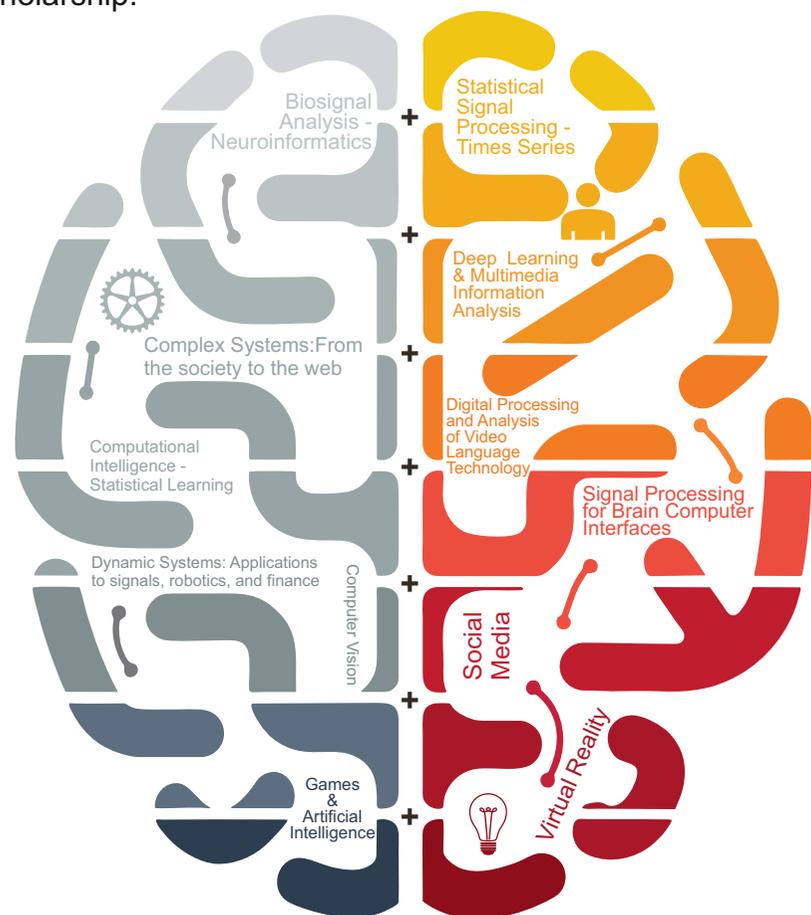


Fees/Scholarships

Full-time: € 1800 (for the entire three-semester programme).
At least 30% of the registered graduate students are entitled to a scholarship.



Entry requirements

A degree (or an international equivalent) is required in computer science or electrical and computer engineering or a numerate physical science discipline.

Further information about the programme is available at <https://dmci.csd.auth.gr/en/msc-useful-info/>

The list of qualifications, the application procedure, and the governing policies are available at <https://dmci.csd.auth.gr/admissions/en/>



ARISTOTLE
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OF THESSALONIKI

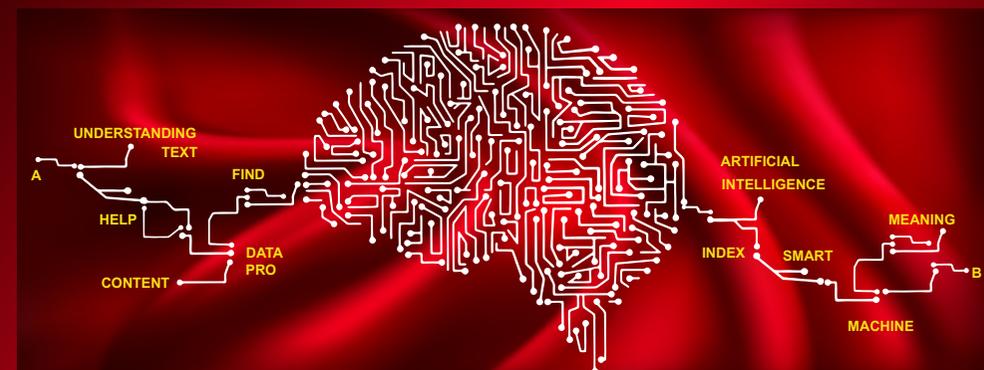


SCHOOL
OF INFORMATICS
AUTH



Msc Digital Media - Computational Intelligence Signals, Computer Vision, Intelligence, Graphics, Robotics

<https://dmci.csd.auth.gr/en/>



Awards available: Msc Programme

Length: 18 months

Location of programme: Aristotle University Campus

Part-time study available: Yes

Start date: October 2020

This programme comprises 8 courses distributed evenly between the first two semesters, followed by a MSc diploma thesis reporting on the outcome of a substantial research project completed during the third semester. Courses may be taught in English. The programme has been offered for 16 years. It has been reinstated anew according to the Greek law.

Contact details:
Professor Constantine Kotropoulos
Email: costas@csd.auth.gr



Programme overview

This MSc covers a range of advanced topics related to digital media. Digital media collectively refer to content found in audio, images, video, written and aural speech, biosignals, graphics, and virtual reality. To analyze the aforementioned content, one needs good foundations in signal processing, computer vision, graphics, pattern recognition/machine learning and computational intelligence,

The 8 courses will be chosen from the following list:

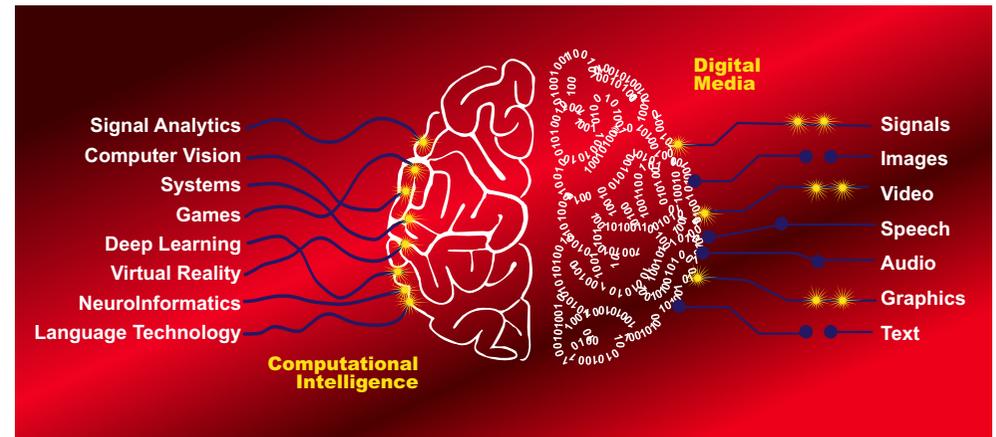
Autumn Semester (4 elective courses)	Spring Semester (4 elective courses)
Biosignal Analysis - Neuroinformatics	Deep learning & Multimedia Information Analysis
Complex Systems: From the society to the web*	Digital Processing and Analysis of Video*
Computational Intelligence - Statistical Learning	Language Technology
Computer Vision	Signal Processing for Brain Interfaces
Dynamic Systems: Applications to signals, robotics and finance*	Social Media*
Games and Artificial Intelligence	Virtual Reality
Statistical Signal Processing - Time Series	

* Offered every other year

This programme builds on the internationally recognized research strengths of the [Artificial Intelligence and Information Analysis Laboratory](#) within the [School of Informatics](#) at the Aristotle University of Thessaloniki. This research team conducts pioneering research in the required aforementioned fundamental disciplines and work areas. The laboratory is well equipped with first-class computational facilities and state-of-the-art measurement equipment, including multiple cameras, microphone arrays, motion capture magnetic sensors, brain interfaces, and drones. The MSc provides in-depth training in design, analysis, and management skills relevant to the theory and practice of related industry.

including associated enabling technologies (e.g., language technologies, deep learning, computer animation, brain computer interfaces).

The MSc provides an excellent opportunity to develop the skills required for careers in some of the most dynamic fields in processing and analysis of big data extracted from multimedia, social networks, the web, the internet of things, without excluding complex adaptive systems of social life.



Careers

This is a challenging three semester taught master's degree, covering all aspects of signal processing, computer vision, computational intelligence, graphics, and robotics. It will prepare you for a diverse range of exciting careers - not only in the digital media and computational intelligence field, but also in areas such as autonomous systems, medical informatics, finance, innovation, consultancy, project management, and government agencies.

Our graduates have gone on to have rewarding careers in some of the leading national multinational companies: NCR, SRI International, BETA CAE Systems, Wind Hellas, for example. Some graduates follow a more research-oriented career path, with a number of students going on to study for PhDs at leading universities, such as Texas A&M, USA; Imperial College, U.K.; Henan University, China; Trinity College, Ireland; Middlesex University, U.K.; University of Maastricht, The Netherlands; and Aristotle University of Thessaloniki as well as main research institutes (e.g., ITI/CERTH) or government agencies (e.g., forensics experts in the Hellenic Police).