What is the duration of the program?

The Master in i²-ICT consists of 60 ECTS. A full-time student is expected to complete this program in a year.

What are its contents?

To obtain the Master's Degree in i²-ICT at EPS-UAM, the student must successfully complete 2 core courses:

- Management and Direction of Scientific and Technological Projects [6 ETCS]
- Numerical and Data-intensive Computing [6 ETCS]

Practical Training in Research and Innovation [core, 6 ECTS].

5 elective courses, of which at least 4 need to be in the same major field of study, should the student wish to receive the corresponding mention [30 ECTS]

Master's Thesis [12 ETCS].

The Master's Program in i²-ICT offers the possibility to study a joint degree, in coordination with other UAM Master's Programs in related areas (Mathematics, Computer Science,...)

Who can apply?

Students with a Bachelor's Degree in ICT-related areas: BSc or BEng in Computer Science, Electrical or Telecommunications Engineering.

Computer, Electrical or Telecommunications Engineers.

BSc in related areas: Mathematics, Physics, Biology, Medicine, Engineering,...(*).

(*) Those students who hold Engineering or Bachelor's Degrees of less than 240 ECTS, as well as graduates who need to complete their training, may need to enroll in additional courses (up to a maximum of 60 ECTS in complementary preparatory subjects, depending on their previous education).

How can I apply?

Prospective students can apply for admission at the Office for Graduate Studies [Centro de Estudios de Posgrado, CEP] at UAM [www.uam.es/posgrado].

It is not required to hold the degree that grants access to the master's program to initiate this application process.

The Master in i2-ICT program starts at the beginning of September each year.

Master in i²-ICT Overview:

Core courses

- Management and Direction of Scientific and Technological Projects
- Numerical and Data-intensive Computing

Practical Training in Research and Innovation

Majors:

- Computational Intelligence
- Biomedical Informatics
- Human-Centered Software Development
- High-Performance Systems
- Biometric Security and Video Surveillance

Master's Thesis

Individual tutors:

Each student is tutored by a lecturer involved in the program. This academic tutor provides assistance to design the student's individualized Plan of Study and to choose elective courses.

Financial aid and scholarships are available for outstanding students.

master.i2-ICT@uam.es

www.eps.uam.es/master/i2-ICT

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Joseph Fourier, Ada Lovelace and Alan Turing would encourage you to study the Master in i²-ICT*

Join the Master's Program in i²-ICT at EPS-UAM:
we.make.engineers@uam.es

*** Officially certified Master's Degree in Research and Innovation in Information and Communications Technologies**

The objective of the Master in i²-ICT is to train professionals and researchers, leaders of the digital revolution in the area of Information and Communication Technologies [ICT].

The Master in i²-ICT offers advanced training for professions that require high-level technical skills in the ICT field.

It provides a springboard for a career in ICT research and innovation.

It yields access to the Doctoral Program in Computer Science and Telecommunications Engineering at the Escuela Politécnica Superior of the Universidad Autónoma de Madrid [EPS-UAM].
This program holds the Seal of Excellence awarded by the Spanish Ministry of Education (MEE2011-0074) since 2001.

Financial aid and scholarships are available for outstanding students.

Major: Computational Intelligence
Machine Learning: Theory and Applications
Applied Bayesian Methods
Information, Inference, Optimization and Learning
Information Retrieval
Temporal Information Processing
Web Mining
Machine Learning Applied to Image Classification and Interpretation

Major: Biomedical Informatics
Biomedical Signal Processing and its Applications
Biomedical Image Processing and its Applications
Neuroinformatics
Bioinspired Computing
Biodevices
Characterization of Biological Networks and Topologies
Information Systems in Biomedicine: Integration and Knowledge Management

Major: Human-Centered Software Development
Human-computer Interaction
Model-driven Software Development
Ubiquitous Computing and Ambient Intelligence
Social Networks and Collaboration on the Internet
Adaptive Systems and User Modeling

Major: High-Performance Systems
Performance Evaluation and Capacity Planning
Advanced Reconfigurable Systems
High-performance Communication Systems
Algorithm Acceleration in Heterogeneous Systems
Computing Platforms on a Chip
Wideband Wireless Communications

Major: Biometric Security and Video Surveillance
Introduction to the Analysis of Video Sequences
Wideband Wireless Communications
Speech and Audio Processing for Biometrics and Security
Biometrics
High-frequency Technologies for Communication Systems
Video Analysis Techniques for Surveillance