

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 ECTS]

Numerical and Data-intensive Computing [6 ECTS]

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 ECTS].

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

Follow us on:

www.facebook.com/EPS.UAM

twitter.com/eps_uam

LinkedIn: master i2-ICT

Escuela Politécnica Superior
Universidad Autónoma de Madrid
Ciudad Universitaria de Cantoblanco
Calle Francisco Tomás y Valiente, 11
28049 Madrid

Tel: +34 91 497 2230

Fax: +34 91 497 2235



**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 \mathcal{I}^2 -ICT is to train professionals and researchers, leaders of the digital revolution in the area of Information and Communication Technologies [ICT].

The Master in \mathcal{I}^2 -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

