

What is IoT?

"IoT represents the next evolution of the Internet, focusing on the ability to collect, analyze and distribute data that can be converted into information and knowledge"

"Smart devices connected to the Internet will triple in the coming years, reaching more than 20,000 million in 2020, with an average annual growth of 20% in terms of business."

"The areas of application of the IoT include: Smart Home, Smart Cities, e-Health, Smart Grids, Big Data, Transportation, Autonomous Driving, Industry 4.0, ..."

PROGRAM

Topic: Embedded systems and IoT devices

Course:	Semester	Credits
Embedded platforms and communications for IoT	1	4.5
Mobile Systems Programming	1	4.5
Sensor Networks	1	4.5
Cyberphysical Systems Modelling	1	4.5

Topic: Service Architectures and Security for IoT

Course:	Semester	Credits
Distributed Systems for IoT	1	4.5
Architectures and service platforms	1	4.5
Information Models	1	3
Security for IoT applications	2	4.5

Topic: Information and Knowledge management for IoT

Course:	Semester	Credits
Big Data applications	2	4.5
Cloud Computing for IoT	2	4.5

Topic: Intelligent Applications

Course:	Semester	Credits
IoT Applications (Smart Cities, e-health, robotic...)	2	4.5

Master Thesis

	Semester	Credits
Master Thesis	2	12

What can we OFFER?



Schedule compatible with your job. Classes in the afternoons.



Lectures taught completely in English



Possibility of internships in companies.



Practical courses developed mainly in the laboratory.



Study in one of the best European University.



Professors with great experience in teaching and research related to IoT.



Seminars taught by companies, allowing the access to open positions in the companies.



Public prices that allow the students to access an specialized contents.

Previous KNOWLEDGE

If you have any of the following degrees you can directly access the master without any supplement. Each subject will adapt to the prior knowledge of the students:

- ✓ Any degree related to Telecommunication Engineering.
- ✓ Any degree related to Informatic Engineering.
- ✓ Any degree related to Industrial Engineering.
- ✓ Any European (EHEA) or non-European equivalent degree.





OFFICIAL MASTER DEGREE INTERNET OF THINGS

"IoT is a cross-cutting trend that will change the way people live, work, entertain and travel, as well as the way governments and companies interact with the world"

DIGITAL COMPETENCES MANIFEST 2015



INFORMATION AND INSCRIPTION



POLITÉCNICA

Universidad Politécnica de Madrid



Telecomunicación
Campus Sur
UPM

ETSIS de Telecomunicación
www.etsist.upm.es



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ETSI Sistemas Informáticos
www.etsisi.upm.es

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Pre-registration: <http://www.upm.es/>

Campus Sur de la Universidad Politécnica de Madrid
Nikola Tesla s/n - 28031 MADRID



REGISTRATION

Pre-registration
February to May



SCHEDULE

Monday to Friday
from 18:00h. to 21:00h.



VENUE

Campus Sur of the Universidad Politécnica de Madrid



DURATION

September to July
of next year



INFORMATION

<http://www.upm.es/master/iot>
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