



Master's degree in Electronics

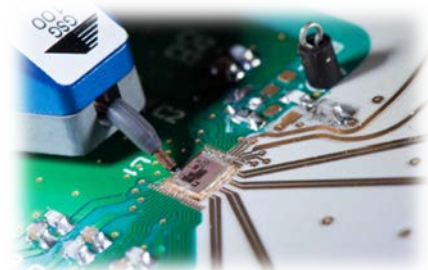
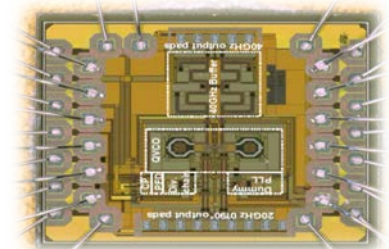
Contacts

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Master's degree in Electronics Specialty: Electronics, Systems and Telecommunications (ESTel)



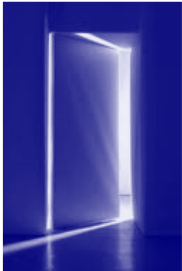
Purpose:

- Diploma for students wishing to continue their studies in the electronics domain (training in 2 years)
- Propose to students advanced courses in Electronics, Telecommunications, Embedded Systems



Credits:

- Master's degree: 120 ECTS* (4 semesters of 30 ECTS each)
- Master 1: 680h
- Master 2: 400h (Teaching) + Internship (6 months)



Admission

- Bachelor degree or more required
- Admission in first year according to academic results
- Possibility to enter in second year after the examinations of academic results at equivalent master level



Internship

- Industry
- Academic laboratory

*ECTS: European Credits Transfer System

Topics covered

Electronics and Microelectronics

Telecommunications systems

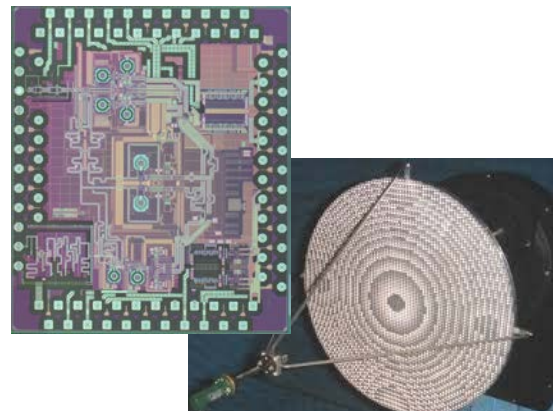
Automatic & Robotics

Microprocessor architecture

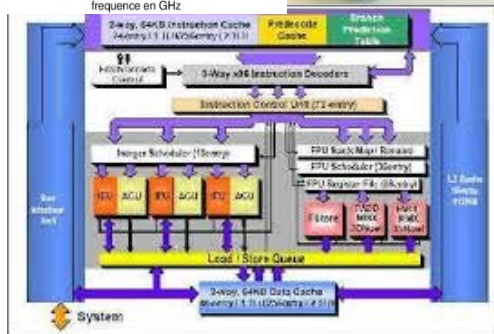
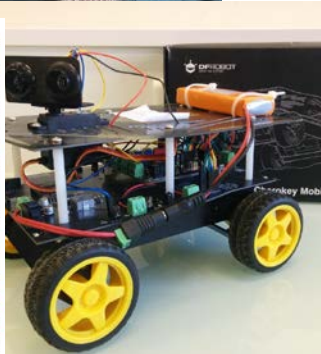
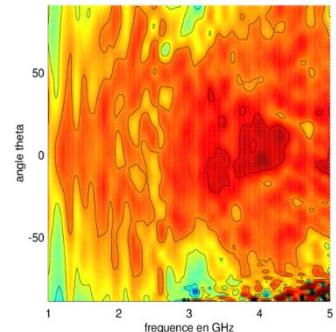
Signal processing

Microwave & Imaging

Embedded systems design



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First and Second year content

First year

Electronics 1 (5ECTS)	Telecommunications 1 (5 ECTS)	Analog Microelectronics(5 ECTS)	Signal Processing(5ECTS)	Digital Architecture (5 ECTS)
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<input type="checkbox"/> Lectures: 15h	<input type="checkbox"/> Lectures:25h	<input type="checkbox"/> Lectures:22h	<input type="checkbox"/> Lectures:24h	<input type="checkbox"/> Lectures:19h
<input type="checkbox"/> Tutorials: 15h	<input type="checkbox"/> Tutorials:25h	<input type="checkbox"/> Tutorials:21h	<input type="checkbox"/> Tutorials:24h	<input type="checkbox"/> Tutorials:11h
<input type="checkbox"/> Practical work:24h		<input type="checkbox"/> Practical work:12h		<input type="checkbox"/> Practical work:21h

English (3 ECTS)	Management (3 ECTS)	Automatics & robotics (6 ECTS)	Digital microelectronics (6 ECTS)	Signal processing 2 & applications (6 ECTS)	Telecommunications 2 (6 ECTS)	Event driven systems (6 ECTS)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Lectures:10h	<input type="checkbox"/> Lectures:12h	<input type="checkbox"/> Lectures:28h	<input type="checkbox"/> Lectures:18h	<input type="checkbox"/> Lectures:20h	<input type="checkbox"/> Lectures:18h	<input type="checkbox"/> Lectures:18h
<input type="checkbox"/> Tutorials:20h	<input type="checkbox"/> Tutorials:12h	<input type="checkbox"/> Tutorials:32h	<input type="checkbox"/> Tutorials:20h	<input type="checkbox"/> Tutorials:20h	<input type="checkbox"/> Tutorials:17h	<input type="checkbox"/> Tutorials:20h
			<input type="checkbox"/> Practical work:18h	<input type="checkbox"/> Practical work:20h	<input type="checkbox"/> Practical work:30h	<input type="checkbox"/> Practical work:18h

Second year

Transmission Systems (6 ECTS)	Telecommunication System (6 ECTS)	RTOS & C++ Programming (6 ECTS)	Embedded System Design(6 ECTS)	English (2 ECTS)	Microsystem for Telecommunication (4 ECTS)
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<input type="checkbox"/> Tutorials:40h	<input type="checkbox"/> Tutorials:20h	<input type="checkbox"/> Practical work:39h	<input type="checkbox"/> Tutorials:20h	<input type="checkbox"/> Tutorials:10h	<input type="checkbox"/> Tutorials:20h
	<input type="checkbox"/> Practical work: 20h		<input type="checkbox"/> Practical work:20h		

English communication (2 ECTS)	Project management (2 ECTS)	Project (2 ECTS)	Internship (15 ECTS)	Energy and time management in Embedded System (4,5 ECTS)	Microwave Circuits and CAD (4,5 ECTS)	Modeling, interactions, microwave imaging and radar system(4,5 ECTS)	Network Technologies for multimedia application(4,5 ECTS)	Signal Processing and depth imagery (4,5 ECTS)
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Career prospects



Academic & Industrial Research
(Telecom domain, Embedded
Systems, Microelectronics)

Researchers

Engineers

Doctoral thesis

Domain of Information Technologies

Associate professor

Full professor



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