

# **ECTS INFORMATION FOR THE YEAR 2007-08**

## **1. INFORMATION ABOUT THE MOBILITY COORDINATOR**

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## **2. DESCRIPTION OF THE SCHOOL OF ENGINEERING**

### **Courses taught at the School of Engineering**

- Information Systems Engineering (ETIG)
- Computer Systems Engineering (ETIS)
- Industrial Engineering: Industrial Electronics (ETIEI)
- Industrial Engineering. Electricity (ETIE)
- Telecommunications Engineering. Telematics (ETTT)
- Automatic and Electronic Engineering (EAEI)
- Computer Engineering (EI)
- Master's Degree in Information and Security Engineering (MEIS)
- Master's Degree in Electronic Engineering (MEE)
- Master's Degree in Artificial Intelligence (MIA)

### **Address of the website of the School of Engineering:**

<http://www.etse.urv.es/>

### **Address of the website of the Department of Electronic, Electric and Automatic Engineering**

<http://www.urv.cat/redireccionar.php?url=http://www.etse.urv.es/DEEEA/HTM/Menu/catala.htm>

### **Website of the Department of Computer Engineering and Mathematics**

<http://deim.urv.cat/>

### 3. DESCRIPTION OF THE BACHELOR'S DEGREE IN INFORMATION SYSTEMS ENGINEERING

**Minimum length of the programme:** 3 years

**University credits:** 198 (154.5 compulsory and core, 13.5 optional)

\* Credits are used as units of evaluation in teaching programmes. Each subject in the curriculum has an equivalent number of credits. Each credit corresponds to ten hours of theoretical or practical classes or their equivalent. The award of credits is subject to the systems of the University for verifying the acquisition of knowledge.

For the University's own subjects adapted to the EHEA system, which follow the teaching methodology of the ECTS system, 25-30 hours of a student's workload are equivalent to 1 credit.

The subjects on the curricula are of the following types:

1. Core subjects. These are set by the Spanish Ministry of Education and Culture, and must be included in all curricula leading to the award of the same official certificate.
2. Compulsory subjects. These are set by the University and students are obliged to study them.
3. Optional subjects. These subjects are set by each University. They are included in the University's curricula and students may select from the range of subjects available.
4. Free-choice subjects. Each University includes a percentage of these subjects as part of its total teaching load in each curriculum.

### RECOMMENDED SEQUENCE OF COURSES

#### COMPULSORY AND CORE SUBJECTS

<b>FIRST YEAR</b>
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<u>First and second semester</u>	<b>ECTS credits</b>
Linear Algebra	11
Mathematical Analysis	11
Programming I	11

<u>First semester</u>	<b>ECTS credits</b>	<u>Second semester</u>	<b>ECTS credits</b>
Computers	8	Computer Structure I	5
Introduction to Electronic Circuits	6.5	Digital Systems	6.5

**SECOND YEAR**

<u>First semester</u>	ECTS credits	<u>Second semester</u>	ECTS credits
Statistics I	5	Statistics II	4
Computer Structure II	4	Data Structure	6.5
Introduction to Operative Systems	5	Discrete Mathematics	5
Languages, Grammar and Automats	4	Abstract Models of Calculus	4
Systems with Microprocessors	4	Systems and Signals	5
Programming II	5	Operative Systems	4

**THIRD YEAR**

<u>First semester</u>	ECTS credits	<u>Second semester</u>	ECTS credits
Introduction to Data Bases.	4	Databases	5
Peripherals	4	End-of-degree project	8
End-of-degree project*	8		
Computer Networks	8		

\* in the second semester

**OPTIONAL SUBJECTS**

**THIRD YEAR**

<u>First semester</u>	ECTS credits	<u>Second semester</u>	ECTS credits
Computational Geometry	4	Image Processing	4
Introduction to Robotics	4	Computer Systems for Industry	4
Technical English I	4	Administration and Management of Networks	5
		Microcomputers	4

	Computer Architecture	4
	Technical English I	4