ECTS INFORMATION PACK 07-08

1. INFORMATION ABOUT THE MOBILITY COORDINATOR

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2. DESCRIPTION OF THE SCHOOL

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)
- Automation and Industrial 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/Menus/catala.htm

Website of the Department of Computer Engineering and Mathematics
http://deim.urv.cat/

3. DESCRIPTION OF THE DIPLOMA IN INDUSTRIAL ELECTRONICS

Minimum length of the programme: 3 years
Number of credits: 225 (165 compulsory and core, 25.5 optional/non-compulsory)

* Credits are used as units of evaluation in teaching programmes. Each subject in the curriculum is assigned a certain 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.

Curricula are divided into:

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. Obligatory subjects. These subjects are freely set by each University and are an obligatory component of a student's curriculum.
3. Optional subjects. These subjects are set by each University. They are part of the University's curricula and students may select from a wide range of subjects available.
4. Free-choice subjects. Part of the teaching load on all University curricula must consist of free-choice credits.

Recommended sequence of courses

COMPULSORY AND CORE SUBJECTS

FIRST YEAR

First semester	ECTS credits	Second semester	ECTS credits
Algebra	4	The Fundamentals of Computing	5.5
Calculus	8.5	Statistical Methods in Engineering	5.5
Graphic Expression Computer-Assisted Design	5.5	Electronic Technology I	4
Physical Fundamentals of Engineering	8.5	Circuit Theory II	4.5
Circuit Theory I	4	Electronic Technology Laboratory and Circuit Theory	3.5
		Introduction to Digital Systems	5.5

SECOND YEAR

First semester	ECTS credits	Second semester	ECTS credits
Mechanical Systems	5.5	Automatic Control	8
Electrical Machines	5.5	Industrial Automation	8
Computing for Industry	4.5	Electronic Technology II	5.5

Digital Electronics I Analogue Electronics	7 5.5	Digital Electronics II	4.5

THIRD YEAR

First and second semester	**ECTS credits**
End-of-degree project	10

First semester	**ECTS credits**	**Second semester**	**ECTS credits**
Computer Science for Industry Power Electronics Business Administration and Organization of Production Electronic Instrumentation	7 7 4.5 8	Technical Office	5

OPTIONAL SUBJECTS

First semester	**ECTS credits**	**Second semester**	**ECTS credits**
Introduction to Data Transmission	4	Techniques of Professional Communication	3
Introduction to Robotics	6	English	4
Design of Electronic Circuits in PVC	4	Design of Integrated Circuits	4
Numerical Methods	4	Engineering of Electronic Equipment	6
		Business Management	4
		Electronic Systems with Microcontrollers	4