

ECTS INFORMATION PACK YEAR 07-08

1. INFORMATION ABOUT THE MOBILITY COORDINATOR

Name: Jordi Garcia Amorós
Address: ETSE - Avda. Països Catalans, 26 - 43002 - Tarragona
Tel: +34 977559695
Fax: +34 977559605
E-mail: jordi.garcia-amoros@urv.cat

2. DESCRIPTION OF THE FACULTY

- Automation and Industrial Electronic Engineering
- Computer Engineering
- Information Systems Engineering
- Computer Systems Engineering
- Telecommunications Engineering: Telematics
- Industrial Engineering: Industrial Electronics
- Industrial Engineering: Electricity

DEPARTMENT OF ELECTRONIC, ELECTRIC AND AUTOMATIC ENGINEERING

Website of the School of Engineering

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

Website of the Department:

<http://sauron.etse.urv.es/DEEEEA/>

3- DESCRIPTION OF THE PROGRAMME IN Industrial Engineering: Electricity

Minimum length of the course: 3 years

Number of credits: 225 credits (177 compulsory and core, 25.5 optional, 22.5 free choice)

* 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, Culture, and must be included in all curricula leading to the award of the same official certificate.
2. Compulsory subjects. These subjects are set by each University as an obligatory component of a student's degree course.
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 areas as part of its total teaching load in each curriculum.

RECOMMENDED SEQUENCE OF COURSES

COMPULSORY AND CORE SUBJECTS

FIRST YEAR

<u>First semester</u>	URV credits	ECTS credits	<u>Second semester</u>	URV credits	ECTS credits
Algebra	4.5	4.0	Circuits	9.0	9.0
Calculus	9.0	8.5	Industrial Drawing	6.0	5.5
Graphic Expression	6.0	5.5	Electrometrics	4.5	4.0
Computing	6.0	5.5	Statistical Methods	6.0	5.5
Fundamentals					
Physical Fundamentals	9.0	8.5	Electric Materials	4.5	4.0

SECOND YEAR

<u>First semester</u>	URV credits	ECTS credits	<u>Second semester</u>	URV credits	ECTS credits
Electrical Power Stations I	6.0	5.0	Electrical Power Stations II	6.0	5.0
Industrial Electronics I	9.0	7.5	Industrial Electronics II	6.0	5.0
Electrical Installations I	4.5	4.0	Electrical Installations II	4.5	4.0
Electrical Machines I	9.0	7.5	Electrical Machines II	9.0	7.5
Mechanism Theory	6.0	5.0	Automatic Control	6.0	5.5
			<i>Optional subjects</i>	4.5	4.0

THIRD YEAR

<u>Annual subjects</u>	URV credits	ECTS credits
End-of-degree project	12.0	12.5

<u>First semester</u>	URV credits	ECTS credits	<u>Second semester</u>	URV credits	ECTS credits
Machine Calculation	6.0	5.5	Technical Office	6.0	5.5
Machine Control	7.5	7.0	<i>Optional subjects</i>	15.0	12.0
Energy Transport	9.0	8.0			
Business Administration	6.0	5.5			
<i>Optional subjects</i>	6.0	4.0			

OPTIONAL SUBJECTS

SECOND YEAR

<u>First semester</u>	URV credits	ECTS credits	<u>Second semester</u>	URV credits	ECTS credits
			Nuclear Technology	4.5	4.1
			Topography and Building	6.0	4.1

THIRD YEAR

<u>First semester</u>	URV credits	ECTS credits	<u>Second semester</u>	URV credits	ECTS credits

Lighting Engineering	4.5	4.0	Extending Installations	4.5	4.0
Industrial Maintenance	4.5	4.0	English	6.0	4.0
Automatic Systems	4.5	4.0	Co-generation	4.5	4.0
			Company	4.5	4.0
			Management		
			Safety Legislation	4.5	4.0