

Label	EUR-ACE®
Higher Education Institution	<i>University Miguel Hernandez de Elche</i>
Country	<i>Spain</i>
State/Province	<i>Elche/Alicante</i>
Name of the Programme	<i>Bachelor's Degree in Electrical Engineering</i>
Degree Awarded	<i>Graduate in Electrical Engineering</i>
Qualification Level	<i>First Cycle Degree</i>
Programme Objectives; Profile	<p>The objective of the degree is to train professionals in the field of electrical engineering that meet the needs of industry and the administration in this field. Electrical engineering studies consist of a basic training module for acquiring a solid scientific base adapted to electrical engineering; a common training module to the branch of industrial engineering, a specific training module on electricity to work specific skills from different fields of electrical engineering related to the generation, transmission and distribution of electricity, as well as the development and application of different Energy technologies, emphasizing training in renewables and energy efficiency and a final module for the development of various skills to student choice.</p> <p>The profile in Electrical Engineering Degree enables the profession of Industrial Technical Engineering, speciality in Electrical Engineering (by CIN / 351/2009 Order of 9 February). This professionals are competent to analyze, evaluate and propose solutions to problems in the fields of design, construction, commissioning and monitoring of electrical systems. This degree enables practicing a branch of industrial technical engineering with a rich tradition, one capable of adapting to current social needs related to energy efficiency and sustainable energy production. At the same time, strong specialization in the field of electrical and power engineering gives professional opportunities linked to the design and analysis of electrical systems, and the development of projects related to conventional and renewable energies.</p>
Programme Duration	<i>8 Semesters</i>

Total Number of ECTS Credits Awarded	240 ECTS
Brief Description of the Programme	<p>The Programme of the Bachelor's Degree in Electrical Engineering is structured from a base of basic training in Physics, Mathematics, Graphic Expression, Computer Science, Statistics and Chemistry along with the Fundamentals of Business Administration, with a total of 60 ECTS.</p> <p>In the second year concepts and specific technologies based Industrial Engineering are developed. This sets training in Materials Science, Electrical Engineering, Fluid Mechanics, Thermodynamics, Electronics, Environment, Continuum Mechanics, Theory of Systems, Production Systems, Business Management and Ing. Projects with a total of 75 ECTS.</p> <p>The electrical specialty module has 75 ECTS distributed in areas such as Automatic, Electrical Installations, Power Plants and Renewable Energy, Industrial Electronics, Electrical Machines and Power Systems.</p> <p>This degree allows the choice of up to 18 ECTS enrolled electives or by recognizing a number of professional activities or transversal skills such as external and internal practices, languages, professional work experience or attendance at conferences and congresses. Finally, the student must complete 12 ECTS related to the Final Degree Project</p>
Examples of Very Good Practice	(Where applicable)
Accredited without / with Adjustment Requirements	Accredited without Adjustment Requirements
Adjustment Requirements	(Where applicable)
Accredited by	ANECA-IIE
Accredited	(From 10/10/2016 until 10/10/2022)