

| Label | EUR-ACE® |
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| Higher Education Institution | UNIVERSITAT ROVIRA I VIRGILI |
| Country | SPAIN |
| State/Province | TARRAGONA |
| Name of the Programme | <i>Bachelor's degree in Electrical Engineering</i> |
| Degree Awarded | BACHELOR'S DEGREE IN ENGINEERING |
| Qualification Level | <i>First cycle</i> |
| Programme Objectives; Profile | <p><i>The aim of the degree is to provide graduates with knowledge about power energy, from the moment it is generated from primary energy sources, transmitted long distances through high-voltage power lines, distributed to industry and households, and finally transformed into mechanical energy, heat or light. Graduates of this degree have received a good basic training, which qualifies them to practise professionally as an industrial technical engineer (Order CIN/351/2009, 9 February). The degree also covers the fundamentals of Electrical Engineering. Graduates are qualified to design, construct and maintain power stations, electrical transmission lines, transformer substations, low-voltage electrical systems, electrical controls, automated systems, etc. Likewise, graduates can design street lighting systems, interior lighting, exterior lighting and emergency lighting. They will also be trained to minimize the environmental impact of all aspects of their profession, and they will understand and know how to use renewable energies and environmental technologies to produce electrical energy.</i></p> |
| Programme Duration | <i>8 semesters (4 years)</i> |
| Total Number of ECTS Credits Awarded | 240 ECTS |
| Brief Description of the Programme | <p><i>The Bachelor's Degree in Electrical Engineering provides students with basic training in Physics, Mathematics, Graphic Expression, Programming, Statistics and Chemistry, as well as with the essentials of Economics and Business Organization, with a total of 66 ECTS credits. A wide range of subjects related to industry are also taught (Materials, Thermodynamics and Hydraulics, Mechanics, Electronics, Electricity) with a total of 42 ECTS credits.</i></p> <p><i>The main core of the speciality in electricity consists of 78 ECTS credits distributed in subjects such as Electrical Power Plants, Electrical Machines, Electrical Installations, Renewable Energies, Automatic Regulation, Power Electronics, Automation, Lighting Technology, and Power Systems, among others. Students must also complete 24 ECTS credits in more cross-sectional subjects</i></p> |

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| | <p>that supplement their engineering skills (Professional and Academic Guidance, Industrial Organization, Technical Office, English). The degree enables students to choose up to 18 ECTS credits for optional subjects related to electrical engineering so that they can gain further insight into the speciality. Also optionally, they can take part in work-experience programmes in business. Finally, students must gain a further 12 credits by doing their bachelor's thesis.</p> |
| Examples of Very Good Practice | <ul style="list-style-type: none"> • Students can do a double degree with the Bachelor's Degree in Automation and Industrial Electronic Engineering. • The first year of the programme is the same as that of the other degrees taught at the School of Engineering, and the second is the same as that of the Degree in Automation and Industrial Electronic Engineering. • The Degree has close connections with businesses in the sector. • There is a considerable industrial presence in the region. The province of Tarragona is a major producer of electrical energy (nuclear, wind, hydroelectric). • The work experience programme involves a wide range of companies. • Student employability and professional prospects are good. • Students are given assistance to find work. • Professional and Academic Guidance subject. • The Campus has first-rate facilities at its disposal: classrooms, laboratories, Learning and Research Centre. • All students have a tutor assigned who guides them whenever they have to take a decision that affects their academic life. • Many of the subjects work on experimental projects. • The teaching staff have a lot of academic experience. • There is a close connection between the research activity of the lecturers and knowledge transfer. • Students can go on to study a master's degree or a doctorate at the same School. • A wide range of mobility places (Erasmus and other programmes) are on offer. |
| Web: | <p>http://www.urv.cat/cae/graus/es_graudenginyeriaelectrica.html#_3</p> |
| Accredited without / with Adjustment Requirements | <p>Accredited without Requirements</p> |
| Adjustment Requirements | <p>---</p> |
| Accredited by | <p>ANECA in collaboration with IIE</p> |
| Accredited | <p>From 15 July 2016 to 15 July 2022</p> |