



## Bachelor's Degree in Electrical and Electronic Engineering. Automation Engineering.

### English-friendly and fully English subjects to be offered in the 2025-2026 academic year

**What does English-friendly mean?** Teaching materials are provided in English. Tutorial sessions/office hours and assessment activities (tasks, lab reports, exams, etc.) are also in English. Lectures are conducted in Spanish.

**What does fully English means?** Teaching materials, tutorial sessions/office hours, assessment activities and lectures are conducted in English.

The academic year is organized into two semesters:

- 1<sup>st</sup> semester: from September 2025 to January 2026.
- 2<sup>nd</sup> semester: from January 2026 to June 2026.

### Bachelor's Degree in Electrical and Electronic Engineering. Automation Engineering

(Spanish title: Grado en Ingeniería Electrónica y Automática)

240 ECTS, 4 Years, 2 semesters per year

List of English-friendly and fully English subjects/modules  
2025-2026 academic year

Semester	Year	Subject/Module	Link
1	1	<b>Mathematics I</b> <i>29800 Matemáticas I</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
1	1	<b>Fundamentals of computer studies</b> <i>29804 Fundamentos de informática</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
2	1	<b>Mathematics III</b> <i>29805 Matemáticas III</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
2	1	<b>Fundamentals of electrotechnics</b> <i>29809 Fundamentos de electrotecnia</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>



1	2	<b>Basic principles of electronics</b> <i>29812 Fundamentos de electrónica</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
1	2	<b>Electrotechnics</b> <i>29813 Electrotecnia</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
2	2	<b>Statistics</b> <i>29815 Estadística</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
2	2	<b>Automatic control systems</b> <i>29817 Sistemas automáticos</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
2	2	<b>Analogue electronics</b> <i>29818 Electrónica analógica</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
1 and 2	3	<b>Programmable electronic systems</b> <i>29824 Sistemas electrónicos programables</i> (10 ECTS) English-friendly	<a href="#">Course guide</a>
1	3	<b>Fluid mechanics</b> <i>29820 Mecánica de fluidos</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
1	3	<b>Power electronics</b> <i>29822 Electrónica de potencia</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
1	3	<b>Control engineering</b> <i>29823 Ingeniería de control</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
2	3	<b>Industrial robotics</b> <i>29827 Robótica industrial</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
2	3	<b>Industrial automation</b> <i>29828 Automatización industrial</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
1	4	<b>Environmental engineering</b> <i>29831 Ingeniería del medio ambiente</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
1	4	<b>Digital signal processing</b> <i>29834 Procesado digital de señal</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
1	4	<b>Electrical installations</b> <i>29835 Instalaciones eléctricas</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>



1	4	<b>Simulation of dynamic systems</b> <i>29842 Simulación de sistemas dinámicos</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
1	4	<b>Computer vision</b> <i>29847 Visión por computador</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
2	4	<b>Electronic design</b> <i>29846 Diseño electrónico</i> (6 ECTS) English-friendly	<a href="#">Course guide</a>
2	4	<b>Technical English</b> <i>29849 Inglés técnico</i> (6 ECTS) Fully English	<a href="#">Course guide</a>
1 or 2 (to be selected by the student)	4	<b>Undergraduate dissertation</b> <i>29833 Trabajo Fin de Grado</i> (12 ECTS) English-friendly	<a href="#">Course guide</a>

The rest of the subjects/modules of the *Bachelor's Degree in Electrical and Electronic Engineering. Automation Engineering* that do not appear in the table above will be offered in fully Spanish.

- [List of all Bachelor's Degree modules that can be selected by Erasmus students](#) (including English-friendly, fully English, and fully Spanish).