



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

English-friendly and fully English subjects to be offered in the 2024-2025 academic year

What does English-friendly means? 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:

- 1st semester: from September 2024 to January 2025.
- 2nd semester: from January 2025 to June 2025.

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(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
2024-2025 academic year

Semester	Year	Subject/Module	Link
1	1	Mathematics I <i>29800 Matemáticas I</i> (6 ECTS) English-friendly	https://rb.gy/3z89ku
1	1	Fundamentals of computer studies <i>29804 Fundamentos de informática</i> (6 ECTS) English-friendly	https://rb.gy/b281ui
2	1	Mathematics III <i>29805 Matemáticas III</i> (6 ECTS) English-friendly	https://shorturl.at/jlnV7
2	1	Fundamentals of electrotechnics <i>29809 Fundamentos de electrotecnia</i> (6 ECTS) English-friendly	https://shorturl.at/eluyN



1	2	Basic principles of electronics <i>29812 Fundamentos de electrónica</i> (6 ECTS) English-friendly	https://shorturl.at/ekqX7
1	2	Electrotechnics <i>29813 Electrotecnia</i> (6 ECTS) English-friendly	https://rb.gy/7o0tnd
2	2	Statistics <i>29815 Estadística</i> (6 ECTS) English-friendly	https://rb.gy/qlhzry
2	2	Automatic control systems <i>29817 Sistemas automáticos</i> (6 ECTS) English-friendly	https://rb.gy/mt93v0
2	2	Analogue electronics <i>29818 Electrónica analógica</i> (6 ECTS) English-friendly	https://shorturl.at/drRX6
1 and 2	3	Programmable electronic systems <i>29824 Sistemas electrónicos programables</i> (10 ECTS) English-friendly	https://shorturl.at/uwzDY
1	3	Fluid mechanics <i>29820 Mecánica de fluidos</i> (6 ECTS) English-friendly	https://shorturl.at/oDNR4
1	3	Power electronics <i>29822 Electrónica de potencia</i> (6 ECTS) English-friendly	https://shorturl.at/ghko0
1	3	Control engineering <i>29823 Ingeniería de control</i> (6 ECTS) English-friendly	https://shorturl.at/quX45
2	3	Industrial robotics <i>29827 Robótica industrial</i> (6 ECTS) English-friendly	https://shorturl.at/hzUY1
2	3	Industrial automation <i>29828 Automatización industrial</i> (6 ECTS) English-friendly	https://shorturl.at/jiyK5
1	4	Environmental engineering <i>29831 Ingeniería del medio ambiente</i> (6 ECTS) English-friendly	https://shorturl.at/fwORY
1	4	Digital signal processing <i>29834 Procesado digital de señal</i> (6 ECTS) English-friendly	https://shorturl.at/gmxSZ
1	4	Electrical installations <i>29835 Instalaciones eléctricas</i> (6 ECTS) English-friendly	https://rb.gy/ejqbwB



1	4	Simulation of dynamic systems <i>29842 Simulación de sistemas dinámicos</i> (6 ECTS) English-friendly	https://rb.gy/af8yi5
1	4	Computer vision <i>29847 Visión por computador</i> (6 ECTS) English-friendly	https://rb.gy/vxvsfo
2	4	Electronic design <i>29846 Diseño electrónico</i> (6 ECTS) English-friendly	https://rb.gy/60cqu9
2	4	Technical English <i>29849 Inglés técnico</i> (6 ECTS) Fully English	https://rb.gy/lkhmaj
1 or 2 (to be selected by the student)	4	Undergraduate dissertation <i>29833 Trabajo Fin de Grado</i> (12 ECTS) English-friendly	https://shorturl.at/dvEO1

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).