Bachelor's degree in Industrial Electronics and Automatic Control Engineering
Manresa School of Engineering (EPSEM)

On the bachelor's degree in Industrial Electronics and Automatic Control Engineering, you will acquire the knowledge needed to supervise and manage engineering projects in the fields of industrial electronics and automatic control: design and development of analogue, digital and power electronic systems and industrial control and automation systems. You will receive multidisciplinary training in the fields of analogue, digital and power electronics, systems modelling and simulation, automatic regulation and control techniques and their application in industrial automation, and the principles and applications of robotic systems, industrial informatics and communications.

GENERAL DETAILS

Duration
4 years

Study load
240 ECTS credits (including the bachelor's thesis). One credit is equivalent to a study load of 25-30 hours.

Delivery
Face-to-face

Language of instruction
Check the language of instruction for each subject (and timetable) in the course guide in the curriculum.

Information on language use in the classroom and students’ language rights.

Fees and grants
Approximate fees per academic year: €1,107 (€2,253 for non-EU residents). Consult the public fees system based on income (grants and payment options).

Location
Manresa School of Engineering (EPSEM)

Official degree
Recorded in the Ministry of Education's degree register

ADMISSION

Places
180

Registration and enrolment
What are the requirements to enrol in a bachelor's degree course?

Legalisation of foreign documents
All documents issued in non-EU countries must be legalised and bear the corresponding apostille.

PROFESSIONAL OPPORTUNITIES
**Professional opportunities**
- Drafting and supervision of projects involving automation and control installations and electronic drive regulation.
- Design, installation and maintenance of electronic control, power and instrumentation systems.
- Design and development of industrial informatics and process monitoring systems.
- Design, management and maintenance of industrial equipment and installations.
- Drafting of technical, advisory and feasibility reports.
- Management, organisation, planning and quality control.
- Teaching and research.

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**ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS**

**Academic calendar**
- General academic calendar for bachelor’s, master’s and doctoral degrees courses

**Academic regulations**
- Academic regulations for bachelor’s degree courses at the UPC

**Language certification and credit recognition**
- Queries about language courses and certification

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**This bachelor’s degree is also taught at**
- Barcelona • EEBE • Show degree
- Terrassa • ESEIAAT • Show degree
- Vilanova i la Geltrú • EPSEVG • Show degree

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**CURRICULUM**

<table>
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<tr>
<th>Subjects</th>
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<td>Introduction to Computing</td>
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