



**Electronics Engineering**

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**General information**

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Educational centre

Escola Tècnica Superior d'Enginyeria



## Electronics Engineering

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### Course access

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Students wanting to take this course have a number of access routes available to them, depending on their previous studies. Follow through these pages to find full explanations of each route:



## Electronics Engineering

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### Content

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Qualification	Electronics Engineering
Type of course	Officially recognised second-cycle degree
Duration	2 years
Total number of credits	150

Distribution of credits	Core and compulsory	Optional	Free-choice	Final year project
1st year	63	6	6	
2nd year	42	12	9	12
Total	105	18	15	12

### Core and compulsory modules

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#### 1st year

- Electronic Mechanisms
- Instrumentation
- Microelectronic Design I
- Signal Processing and Transmission
- Analogue and Digital Filters
- Power Electronics
- Structure of Computers
- Electronic Mechanisms and Photonics
- Digital Systems

#### 2nd year

- Microelectronic Design II
- Analogue Integrated Circuits
- Microprocessors
- High-Frequency Electronics
- Electronic Engineering Projects
- Telematics Systems
- Final Year Project

### Optional modules

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- Bioelectronics
- Electromagnetic Compatibility
- System Control
- Digital Control
- Drivers and Peripherals
- Communication Systems
- Quality and Reliability Control
- Application-Specific Integrated Circuit Design
- Electronic Systems Design
- Sensors and Actuators
- Communications Electronics
- Digital Signal Processing
- Business Structure
- Technological Processes in Microelectronics
- Analogue and Hybrid Integrated Systems

### Free-choice modules

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To be chosen from the list of UAB free-choice modules.



**Electronics Engineering**

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**Skills required**

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**Electronics Engineering**

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**Professional job opportunities**

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