



More information on the Green Electronics Certificate can be found on

greenchips-edu.eu



Co-funded by
the European Union

Green Electronics Certificate

An initiative by the EU-funded project GreenChips-EDU

About the project

The GreenChips-EDU project aims at building a microelectronic ecosystem, harmonizing Electronic Master curricula across Europe.



Gain essential industry skills!

In Europe's semiconductor industry, there is a high demand for skilled workers in green chips and microelectronics. The EU-funded project GreenChips-EDU offers this certificate for Master students to...



Green Electronics Course List

Courses	Type	ECTS
Analog and Mixed-Signal System-On-Chip Design	Elective	5
Radiofrequency Integrated Circuits and Systems	Elective	5
System on Chip Physical Design	Elective	5
Energy Management for Distributed and Integrated Systems	Elective	5
Processor Design	Elective	6
Processor Architecture	Elective	6
Fabrication and Characterization Technologies for Micro and Nano Devices	Elective	5
Microelectromechanical Systems	Elective	5
Control and Applications in Power Electronics	Core	5
Design of Analog Microelectronic Circuits	Core	5
Digital Nanoelectronic Design	Core	5
Electronic Measurement Science and Technology	Core	5
Entrepreneurship and Innovation for World Challenges	Core	5
High-Level Digital Design	Core	5
Nanotechnologies and Electron Devices	Core	5

How to get your Green Electronics Certificate?

The “Green Electronics certificate” can be earned in the Master program “Electronic Engineering” at UPC. To qualify for certification, students are required to accumulate, after completing all the Core subjects of the Master, a minimum of 20 elective ECTS credits, based on the Green Electronics course list.

School of Telecommunications Engineering (ETSETB)

Universitat Politècnica de Catalunya (UPC)

Further information:

telecos.upc.edu

electronicengineering.masters.upc.edu

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GreenChips-EDU

Educate for a Sustainable Tomorrow



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... provide specialized knowledge in a high-demand area, making students more attractive to employers who are seeking to align with sustainability goals and

... ensure that students have relevant, cutting-edge skills on designing and manufacturing electronic systems and components with eco-friendly materials and energy-efficient techniques.