

Electronics and Signal



ECTS
6 crédits



Hourly volume
74h

Toulouse

Introducing

Objectives

At the end of this module, the student will have understood and be able to explain (main concepts):

Electronics section:

- * This course is devoted to analog electronic design and implementation from the basic transistor to operational amplifier

Signal Processing section:

- * For a good understanding of signals and systems, principles of signal theory and methods of signal processing, with emphasize on spectral analysis and digital filter design.

The student will be able to:

Electronics section:

- * design an electronic circuit, given the design specification
- * perform simulations of analog circuits
- * choose appropriate components
- * build and test a prototype with a bread-board
- * do the layout and assemble a printed circuit board

Practical info

Location(s)