

BASIC CYCLE

1st year

Introduction to Computer Science
Representation Systems
Mathematics I
Linear Algebra
Learning Techniques
Programming I
Mathematics II
Discrete Mathematics
Physics I
General Knowledge

2nd year

Chemistry I
Algorithms and data structure
Mathematics III
Physics II
Technology of electronic materials
Mathematics IV
Probability and Statistics
Physics III

3rd year

Electrotechnics I
Physics IV (k)
Numerical Methods
Mathematics V (k)
Circuits Theory
Electronics I
Electronics III
Electronics Lab
Spanish

*English level required

PROFESSIONAL CYCLE

4th year

Industrial Organization
Occupational and environmental security
Signal and Digital systems analysis
Electronics II
Random signals
Information Transmission
Control systems
Microprocessors Lab
Orientation in Telecommunications/ Orientation in signal processing: Electromagnetism
Orientation in Industrial Electronics/ Orientation in Mechatronics/Control: Economics for Engineers;
Electromagnetism

5th year

Orientation in Telecommunications

Electronics V; Power Electronics;
Microwaves; Electronic equipment design;
Digital Communications; General Knowledge II;
Antennas and Radio Propagation; Digital Networks;
Economics for Engineers; Law for Engineers; Work practice; Elective.

Orientation in Industrial Electronics

Electronics IV; Electronics V; Electronic equipment design;
Sensors and actuators; Industrial Electronics Applications;
Industrial Automation; Automatic Control
Law for Engineers; Work practice; Elective.

Orientation in Mechatronics/Control

Electronics IV; Electronics V; Electronic equipment Design;
Sensors and actuators; Machine Technology; Industrial Automation;
Automatic Control; Law for Engineers; Work practice; Elective.

Orientation in Signal Processing

Electronic V; Power Electronics; Neuronal Networks;
Electronic equipment design; Adaptive signal processing;
Digital Communications; Voice processing; Image Processing;
DSP-FPGA Lab; Economics for Engineers; Work Practice; Elective.