

Teaching Units	Title	Credits	Coefficients
Semester 1			
Fundamental T U Code : FTU 1.1	Mathematics 1	6	3
	Physics 1	6	3
	Structure of Matter	6	3
Methodological T U Code : MTU 1.1	TP Physics 1	2	1
	TP Chemistry 1	2	1
	Computer Science 1	4	2
	Writing Methodology	1	1
Discovery T U Code : DTU 1.1	Careers in Science and Technology 1	1	1
Transversal T U Code : TTU 1.1	Foreign Language 1 (French and/or English)	2	2
Total semester 1		30	17
Semester 2			
Fundamental T U Code : FTU 1.2	Mathematics 2	6	3
	Physics 2	6	3
	Thermodynamics	6	3
Methodological T U Code : MTU 1.2	TP Physics 2	2	1
	TP Chemistry 2	2	1
	Computer Science 2	4	2
	Presentation Methodology	1	1
Discovery T U Code : DTU 1.2	Careers in Science and Technology 2	1	1
Transversal T U Code : TTU 1.2	Foreign Language 2 (French and/or English)	2	2
Total semester 2		30	17
Semester 3			
Fundamental T U Code : FTU 2.1.1	Mathematics 3	6	3
	Waves and Vibrations	4	2
Fundamental T U Code : FTU 2.1.2	Fundamental Electronics 1	4	2
	Fundamental Electrical Engineering 1	4	2
Methodological T U Code : MTU 2.1	Probability and Statistics	4	2
	Computer Science 3	2	1
	TP Electronics 1 and Electrical Engineering 1	2	1
	TP Waves and Vibrations	1	1
Discovery T U Code : DTU 2.1	Recent Developments in Electrical Engineering	1	1
	Energy and Environment	1	1
Transversal T U Code : TTU 2.2	Technical English	1	1
Total semester 3		30	17
Semester 4			
Fundamental T U Code : FTU 2.2.1	Hydraulics and Pneumatics	6	3
	Combinational and Sequential Logic	4	2
Fundamental T U Code : FTU 2.2.2	Numerical Methods	4	2
	Strength of Materials	4	2
	Electrical and Electronic Measurements	3	2
	TP Hydraulics and Pneumatics	2	1

Methodological T U Code : MTU 2.2	TP Combinational and Sequential Logic	2	1
	TP Numerical Methods	2	1
Discovery T U Code : DTU 2.2	Energy Conversion	1	1
	Electrical Safety	1	1
Transversal T U Code : TTU 2.2	Communication and Expression Techniques	1	1
Total Semester 4		30	17
Semester 5			
Fundamental T U Code : FTU 3.1.1	Power Electronics	4	2
	Electrical Machines	4	2
	Mechanical Engineering	2	1
Fundamental T U Code : FTU 3.1.2	Heat Transfer	4	2
	Control Systems	4	2
Methodological T U Code : MTU 3.1	TP Power Electronics	2	1
	TP Electrical Machines	2	1
	TP Control Systems	2	1
	Electrical Diagrams and Apparatus	3	2
Discovery T U Code : DTU 3.1	Electrical Energy Production	1	1
	Electrotechnical Materials	1	1
Transversal T U Code : TTU 3.1	Technical Drawing	1	1
Total Semester 5		30	17
Semester 6			
Fundamental T U Code : FTU 3.2.1	Industrial Regulation	4	2
	Control of Electromechanical Drives	4	2
	Sensors and Signal Conditioning	2	1
Fundamental T U Code : FTU 3.2.2	Automation and Industrial Computing	4	2
	Turbomachinery	4	2
Methodological T U Code : MTU 3.2	Final Year Project	4	2
	TP Regulation and Automation	2	1
	TP Control	2	1
	TP Sensors and Signal Conditioning	1	1
Discovery T U Code : DTU 3.2	Maintenance of Electromechanical Systems	1	1
	Introduction to Internal Combustion Engine	1	1
Transversal T U Code : TTU 3.2	Professional Project and Business Management	1	1
Total Semester 6		30	17