

Semester 1

Teaching unit	Subject	Credits	Coefficient	Weekly hourly volume			biannual hourly volume (15 weeks)	Complementary work in Consultation (15weeks)	Evaluation Mode	
	Entitled			Lesson	TD	TP			Continuous Control	Exam
TU fundamental Code : TUF 1.1 Credits : 18 Coefficients : 9	Mathematics 1	6	3	3h00	1h30		67h30	82h30	40%	60%
	Physical 1	6	3	3h00	1h30		67h30	82h30	40%	60%
	Structure of matter	6	3	3h00	1h30		67h30	82h30	40%	60%
TU Methodological Code : TUM 1.1 Credits : 9 Coefficients : 5	TP Physical1	2	1			1h30	22h30	27h30	100%	
	TP Chemistry 1	2	1			1h30	22h30	27h30	100%	
	Computer science 1	4	2	1h30		1h30	45h00	55h00	40%	60%
	Writing methodology	1	1	1h00			15h00	10h00		100%
UE Discovery Code : TUD 1.1 Credits : 1 Coefficients : 1	The science professions and technologies 1	1	1	1h30			22h30	02h30		100%
UE Transversal Code : UET 1.1 Credits : 2 Coefficients : 2	Foreign language 1 (French and / or English)	2	2	3h00			45h00	05h00		100 %
Total semester 1		30	17	16h00	4h30	4h30	375h00	375h00		

Semester2

Teaching unit	Subject	Credits	Coefficient	Weekly hourly volume			biannual hourly volume (15 weeks)	Complementary work in Consultation (15weeks)	Evaluation Mode	
	Entitled			Lesson	TD	TP			Continuous Control	Exam
TU Fundamental Code : TUF 1.2 Credits : 18 Coefficients : 9	Mathematics 2	6	3	3h00	1h30		67h30	82h30	40%	60%
	Physical 2	6	3	3h00	1h30		67h30	82h30	40%	60%
	Thermodynamics	6	3	3h00	1h30		67h30	82h30	40%	60%
TU Methodological Code : TUM 1.2 Crédits : 9 Coefficients : 5	TP Physical 2	2	1			1h30	22h30	27h30	100%	
	TP Chemistry 2	2	1			1h30	22h30	27h30	100%	
	Computer science 2	4	2	1h30		1h30	45h00	55h00	40%	60%
	Presentation methodology	1	1	1h00			15h00	10h00		100%
TU Discovery Code : UED 1.2 Crédits : 1 Coefficients : 1	The science professions and technologies 2	1	1	1h30			22h30	02h30		100%
TU Transversal Code : TUT 1.2 Cre*dits : 2 Coefficients : 2	Foreign language 2 (French and / or English)	2	2	3h00			45h00	05h00		100 %
semester Total 2		30	17	16h00	4h30	4h30	375h00	375h00		

Semester 3

Teaching unit	Subject	Credits	Coefficient	Weekly hourly volume			biannual hourly volume (15 weeks)	Complementary work in Consultation (15weeks)	Evaluation Mode	
	Entitled			Lesson	TD	TP			Continuous Control	Exam
TU Fundamental Code : TUF 2.1.1 Credits : 10 Coefficients : 5	Mathematics 3	6	3	3h00	1h30		67h30	82h30	40%	60%
	Waves and vibrations	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Fundamental Code : TUF 2.1.2 Credits : 8 Coefficients : 4	Fundamental electronics I	4	2	1h30	1h30		45h00	55h00	40%	60%
	Fundamental electrotechnical 1	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Methodological Code : TUM 2.1 Credits : 9 Coefficients : 5	Probability and statistics	4	2	1h30	1h30		45h00	55h00	40%	60%
	Computer science 3	2	1			1h30	22h30	27h30	100%	
	TP Electronics and electrotechnical	2	1			1h30	22h30	27h30	100%	
	TP Waves and vibrations	1	1			1h00	15h00	10h00	100%	
TU Discovery Code : TUD 2.1 Credits : 2 Coefficients : 2	Art state of electrical engineering	1	1	1h30			22h30	02h30		100%
	Energies and Environment	1	1	1h30			22h30	02h30		100%
TU Transversal Code : TUT 2.1 Credits : 1 Coefficients : 1	Technical English	1	1	1h30			22h30	02h30		100%
semester Total 3		30	17	13h30	7h30	4h00	375h00	375h00		

Semestre 4

Teaching unit	Subject	Credits	Coefficient	Weekly hourly volume			biannual hourly volume (15 weeks)	Complementary work in Consultation (15weeks)	Evaluation Mode	
	Entitled			Lesson	TD	TP			Continuous Control	Exam
TU Fundamental Code : TUF 2.2.1 Credits : 10 Coefficients : 5	Hydraulic and pneumatic	6	3	3h00	1h30		67h30	82h30	40%	60%
	Combinatorial logic and sequential	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Fundamental Code : TUF 2.2.2 Credits : 8 Coefficients : 4	Numerical methods	4	2	1h30	1h30		45h00	55h00	40%	60%
	Strength of materials	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Methodological Code : TUM 2.2 Credits : 9 Coefficients : 5	TP electrical measurements and electronic	2	1			1h30	22h30	27h30	100%	
	TP Logic	1	1			1h00	15h00	10h00	100%	
	TP Hydraulic and pneumatic	2	1			1h30	22h30	27h30	100%	
	TP Numerical methods	2	1			1h30	22h30	27h30	100%	
	Technical drawing	2	1			1h30	22h30	27h30	100%	
TU Discovery Code : TUD 2.2 Credits : 2 Coefficients : 2	Energy conversion systems	1	1	1h30			22h30	02h30		100%
	Notions of Electrical and Electronic Measurements	1	1	1h30			22h30	02h30		100%
TU Transversal Code : TUT 2.2 Credits : 1 Coefficients : 1	Techniques of expression and communication	1	1	1h30			22h30	02h30		100%
semestrer Total 4		30	17	12h00	6h00	7h00	375h00	375h00		

Semestre 5

Teaching unit	Subject	Credits	Coefficient	Weekly hourly volume			biannual hourly volume (15 weeks)	Complementary work in Consultation (15weeks)	Evaluation Mode	
	Entitled			Lesson	TD	TP			Continuou s Control	Exam
TU Fundamental Code : TUF 3.1.1 Credits : 10 Coefficients : 5	Power electronics	4	2	1h30	1h30		45h00	55h00	40%	60%
	Electric machine	4	2	1h30	1h30		45h00	55h00	40%	60%
	Mechanical construction	2	1	1h30			22h30	27h30		100%
TU Fundamental Code : TUF 3.1.2 Credits : 8 Coefficients : 4	Thermal transfer	4	2	1h30	1h30		45h00	55h00	40%	60%
	control systems	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Methodological Code : TUM 3.1 Credits : 9 Coefficients : 5	TP Power electronics	2	1			1h30	22h30	27h30	100%	
	TP Electric machine	2	1			1h30	22h30	27h30	100%	
	TP control systems	2	1			1h30	22h30	27h30	100%	
	Electrical diagrams and Equipment	3	2	1h30		1h00	37h30	37h30	40%	60%
TU Discovery Code : TUD 3.1 Credits : 2 Coefficients : 2	Electric power production	1	1	1h30			22h30	2h30		100%
	Electrotechnical materials	1	1	1h30			22h30	2h30		100%
TU Transversal Code : TUT 3.1 Credits : 1 Coefficients : 1	Electrical safety	1	1	1h30			22h30	2h30		100%
semester Total 5		30	17	13h30	6h00	5h30	375h00	375h00		

Semestre 6

Teaching unit	Subject	Credits	Coefficient	Weekly hourly volume			biannual hourly volume (15 weeks)	Complementary work in Consultation (15weeks)	Evaluation Mode	
	Entitled			Lesson	TD	TP			Continuou s Control	Exam
TU Fundamental Code : TUF 3.2.1 Credits : 10 Coefficients : 5	Industrial regulation	4	2	1h30	1h30		45h00	55h00	40%	60%
	Control of electromechanical drives	4	2	1h30	1h30		45h00	55h00	40%	60%
	Sensors and measuring chains	2	1	1h30			22h30	27h30		100%
TU Fundamental Code : TUF 3.2.2 Credits : 8 Coefficients : 4	Automation and industrial IT	4	2	1h30	1h30		45h00	55h00	40%	60%
	Turbomachinery	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Methodological Code : TUM 3.2 Credits : 9 Coefficients : 5	End Cycle Project	4	2			3h00	45h00	55h00	100%	
	TP Industrial Regulation	2	1			1h30	22h30	27h30	100%	
	TP Control	2	1			1h30	22h30	27h30	100%	
	TP Sensors	1	1			1h00	15h00	10h00	100%	
TU Discovery Code : TUD 3.2 Credits : 2 Coefficients : 2	Maintenance of electromechanical systems	1	1	1h30			22h30	02h30		100%
	Introduction to the Internal Combustion Engine	1	1	1h30			22h30	02h30		100%
TU Transversal Code : TUT 3.2 Credits : 1 Coefficients : 1	Professional project and business management	1	1	1h30			22h30	02h30		100%
semester Total 6		30	17	12h00	6h00	7h00	375h00	375h00		