

Semester 1

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Evaluation Method	
				course	TD	TP			Continuous Assessment	Exam
Fundamental UE Code : FUE 1.1 Credits : 18 Coefficients : 9	Mathematics 1	6	3	3h00	1h30		67h30	82h30	40%	60%
	Physics 1	6	3	3h00	1h30		67h30	82h30	40%	60%
	Structure of Matter	6	3	3h00	1h30		67h30	82h30	40%	60%
Methodological UE Code : MUE 2.1 Credits : 9 Coefficients : 5	Physics 1 Lab	2	1			1h30	22h30	27h30	100%	
	Chemistry 1 Lab	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%
Discovery UE Code : DUE 3.1 Credits : 1 Coefficients : 1	Careers in Science and Technology 1	1	1	1h30			22h30	02h30		100%
Transversal UE Code : TUE 4.1 Credits : 2 Coefficients : 2	Foreign Language 1 (French and/or English)	2	2	3h00			45h00	05h00		100 %
Total semester1		30	17	16h00	4h30	4h30	375h00	375h00		

Semester 2

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Evaluation Method	
				course	TD	TP			Continuous Assessment	Exam
Fundamental UE Code : FUE 1.2 Credits : 18 Coefficients : 9	Mathematics 2	6	3	3h00	1h30		67h30	82h30	40%	60%
	Physics 2	6	3	3h00	1h30		67h30	82h30	40%	60%
	Thermodynamics	6	3	3h00	1h30		67h30	82h30	40%	60%
Methodological UE Code : MUE 2.2 Credits : 9 Coefficients : 5	Physics 2 Lab	2	1			1h30	22h30	27h30	100%	
	Chemistry 2 Lab	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%
Discovery UE Code : DUE 3.2 Credits : 1 Coefficients : 1	Careers in Science and Technology 2	1	1	1h30			22h30	02h30		100%
Transversal UE Code : TUE 4.2 Credits : 2 Coefficients : 2	Foreign Language 2 (French and/or English)	2	2	3h00			45h00	05h00		100 %
Total semester 2		30	17	16h00	4h30	4h30	375h00	375h00		

Semester 3

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Evaluation Method	
				Course	TD	TP			Continuous Assessment	Exam
Fundamental UE Code : FUE 1.3 Credits : 18 Coefficients : 9	Mathematical Tools	6	3	3h00	1h30		67h30	82h30	40%	60%
	Physics 3 Vibrations and Waves	6	3	3h00	1h30		67h30	82h30	40%	60%
	Physics 4 Rational Mechanics	6	3	3h00	1h30		67h30	82h30	40%	60%
Methodological UE Code : MUE 2.3 Credits : 9 Coefficients : 5	Mathematics 4 Probability and Statistics 1	2	1	1h30	1h30		45h00	27h30	100%	
	Drawing Technical Drawing	2	1			1h30	22h30	27h30	100%	
	Computer Science Programming Language	3	2	1h30		1h30	45h00	55h00	40%	60%
	Thermodynamics 2	2	1	1h30			15h00	10h00		100%
Discovery UE Code : DUE 3.3 Credits : 2 Coefficients : 2	Strength of Materials	1	1	1h30			22h30	02h30		100%
	Technologie Générale des Milieux Continus	1	1	1h30			22h30	02h30		100%
Transversal UE Code : TUE 4.3 Credits : 1 Coefficients : 1	English Language	1	1	1h30			22h30	02h30		100 %
Total semester3		30	17	16h00	4h30	4h30	375h00	375h00		

Semester 4

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Evaluation Method	
				Course	TD	TP			Continuous Assessment	Exam
Fundamental UE Code : FUE 1.4 Credits : 18 Coefficients : 9	Mathematics 5	6	3	3h00	1h30		67h30	82h30	40%	60%
	Mathematics 6 Applied Numerical Methods	6	3	3h00	1h30		67h30	82h30	40%	60%
	Fluid Mechanics	3	2	1h30	1h30		45h00	82h30	40%	60%
	Heat Transfer 1	3	1	1h30	1h30		45h00			
Methodological UE Code : MUE 2.4 Credits : 9 Coefficients : 5	Fluid Mechanics 1 Lab	2	1			1h30	22h30	27h30	100%	
	Heat Transfer 1 Lab	2	1			1h30	22h30	27h30	100%	
	Applied Numerical Methods Lab	4	2			3h00	45h00	55h00	40%	60%
	Mechanical Manufacturing Lab	1	1			1h00	15h00	10h00		100%
Discovery UE Code : DUE 3.4 Credits : 1 Coefficients : 1	Industrial Electricity	1	1	1h30			22h30	02h30		100%
Transversal UE Code : TUE 4.4 Credits : 2 Coefficients : 2	English Language	1	1	1h30			22h30	05h00		100 %
	Expression and Communication Technology	1	1	1h30			22h30	05h00		100 %
Total semester2		30	17	16h00	4h30	4h30	375h00	375h00		

Semester5

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Evaluation Method	
				Course	TD	TP			Continuous Assessment	Exam
Fundamental UE Code : FUE 1.5 Credits : 10 Coefficients : 5	Internal Combustion Engines	4	2	3h00	1h30		67h30	67h30	40%	60%
	Heating and Air Conditioning I	4	2	1h30	1h30		45h00	45h00	40%	60%
	Turbomachinery I	2	1	1h30			22h30	22h30		
Fundamental UE Code : FUE 2.5 Credits : 8 Coefficients : 4	Combustion and Industrial Pollution I	4	2	1h30	1h30		45h00	45h00	40%	60%
	Gas Refining and Liquefaction I	4	2	1h30	1h30		45h00	45h00	40%	60%
Methodological UE Code : MUE 3.5 Credits : 9 Coefficients : 5	Turbomachinery I Lab	2	1			1h30	22h30	22h30	100%	
	Internal Combustion Engines Lab	2	1			1h30	22h30	27h30	100%	
	Automation and Control	2	1			1h30	22h30	27h30	100%	
	Heat Transfer II	3	2	1h30	1h00		37h30	37h30	40%	60%
Discovery UE Code : DUE 4.5 Credits : 2 Coefficients : 2	Machine Elements	1	1	1h30			22h30	02h30		100%
	Control and Regulation	1	1	1h30			22h30	02h30		100%
Transversal UE Code : TUE 5.5 Credits : 1 Coefficients : 1	Environment and Sustainable Development	1	1	1h30			22h30	02h30		100%
Total semester 5		30	17	13h30	6h00	5h30	375h00	375h00		

Semester 6

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 weeks)	Additional Work in Consultation (15 weeks)	Evaluation Method	
				Course	TD	TP			Continuous Assessment	Exam
Fundamental UE Code : FUE 1.6 Credits : 10 Coefficients : 5	Measurement and Instrumentation	4	2	1h30		1h30	45h00	67h30	40%	100%
	Propulsion System	4	2	1h30	1h30		45h00	45h00	40%	100%
	Industrial Maintenance I	2	1	1h30			22h30	22h30		100%
Fundamental UE Code : FUE.2.6 Credits : 8 Coefficients : 4	Industrial Hydraulics and Pneumatics	4	2	1h30	1h30		45h00	45h00		100%
	Energy Conversion	4	2	1h30	1h30		45h00	45h00	40%	100%
Methodological UE Code : MUE 3.6 Credits : 9 Coefficients : 5	End-of-Cycle Project	8	4			6h00	67h00	10h00	100%	
	Computer-Aided Design Lab	1	1			1h30	22h30	27h30	100%	
Discovery UE Code : DUE 4.6 Credits : 2 Coefficients : 2	Material Science	1	1	1h30			22h30	02h30		100%
	Business Management I	1	1	1h30			22h30	02h30		100%
Transversal UE Code : T UE 5.6 Credits : 1 Coefficients : 1	French	1	1	1h30			22h30	02h30		100%
Total semester 6		30	17	12h00	6h00	7h00	375h00	375h00		