

Maquette Faculté d'Ingénieur- Undergraduate Curriculum of Ingeneering Faculty

Semestre	Intitulé de l'unité d'enseignement/ Course Title	Nature de l'UE/ Natur of Course	Nombre d'heures- Number of hours per week				Crédits- ECTS
			Cours/ Theoretical Course	Travaux dirigés/ Lab	Travaux pratiques/ Pratical Works	Stage	
First Year							
Semester 1	Calculus I (Analysis)	Fondamentale	2	4	0		6
	Physics I (classical mecanics)	Fondamentale	2	2	2		6
	English preparation I	Fondamentale	6	0	18		15
	Introduction to Information Systems	Complémentaire	0	0	2		3
Semester Credits			10	6	22		30
Semester 2	Calculus II (Algebra)	Fondamentale	2	4	0		6
	General Chemistry I	Fondamentale	2	2	2		6
	Programming (java) I	Complémentaire	0	0	2		5
	English preparation II	Fondamentale	6	0	18		13
Semester Credits			10	6	22		30
Second Year							
Semester 3	Computer Aided Technical Drawing	Complémentaire	0	0	4		5
	Linear Algebra	Fondamentale	2	2	0		6
	Physics II (electricity and electrokinetic)	Fondamentale	2	2	2		6
	Communications Skills and Academic Reporting	Fondamentale	0	0	12		10
	Programming (java) II	Complémentaire	0	0	2		3
Semester Credits			4	4	20		30
Semester 4	Probability and Statistics	Fondamentale	2	4	0		7
	Fundamentals of Thermodynamics	Fondamentale	2	2	2		7
	Differential Equations	Fondamentale	2	2	0		6
	Communications Skills and Academic Reporting	Fondamentale	0	0	12		10
Semester Credits			6	8	14		30
Third Year							
Semester 5	Statitics and data analysis	Fondamentale	2	2	2		6
	Introduction to civil engineering	Fondamentale	2	2	0		5
	Introduction to energy systems	Fondamentale	2	2	0		5
	Communications Skills and Academic Reporting	Fondamentale	0	0	6		8
	Measurement and Intrumentation	Complémentaire	2	2	0		6
Semester Credits			8	8	8		30
Semester 6	Soil Mechanics	Fondamentale	2	2	2		6
	Introduction to transportation engineering	Fondamentale	2	2	0		5
	Fluid Mechanics and Hydraulics	Fondamentale	2	2	2		6
	Mini Project	Fondamentale	0	0	10		5
	Communications Skills and Academic Reporting	Fondamentale	0	0	6		8
Semester Credits			6	6	20		30