

Bachelor Engineering Science - Thermal Power and Energy Systems

	Type	COEF	ECTS	CM	TD	TP	Total
Semester 05	Oblig.		30,0	115,0	129,0	76,0	320,0
UE1 - Applied mathematics	Oblig.	1	6,0	22,0	20,0	12,0	54,0
ELC1 - Numerical analysis	Oblig.	0.5	3,0	9,0	4,0	12,0	25,0
ELC2 - Mathematics for engineers	Oblig.	0.5	3,0	13,0	16,0		29,0
UE2 - Thermodynamics and energy conversion	Oblig.	1	6,0	37,0	28,0	12,0	77,0
ELC1 - Thermal and mechanical energy conversion	Oblig.	0.34	2,0	7,0	8,0		15,0
ELC2 - Advanced thermodynamics	Oblig.	0.33	2,0	15,0	10,0	8,0	33,0
ELC3 - Thermodynamics principles	Oblig.	0.33	2,0	15,0	10,0	4,0	29,0
UE3 - Transfers and fluid flow principles	Oblig.	1	6,0	36,0	34,0	16,0	86,0
ELC1 - Heat transfer - steady conduction	Oblig.	0.33	2,0	12,0	16,0	4,0	32,0
ELC2 - Perfect fluids dynamics	Oblig.	0.33	2,0	17,0	10,0	8,0	35,0
ELC3 - Heat transfer - convection	Oblig.	0.33	2,0	7,0	8,0	4,0	19,0
UE4 - Instrumentation and metrology	Oblig.	1	6,0	20,0	17,0	27,0	64,0
ELC1 - Instrumentation, measurements, sensors	Oblig.	0.5	3,0	10,0	9,0	15,0	34,0
ELC2 - Thermal and fluid methodology	Oblig.	0.33	2,0	10,0	8,0		18,0
ELC3 - Computer science for engineers	Oblig.	0.17	1,0			12,0	12,0
UE5 - Professional environment knowledge	Oblig.	1	6,0		30,0	9,0	39,0
ELC1 - Professional project workshop	Oblig.	0.17	1,0			9,0	9,0
ELC2 - English	Oblig.	0.83	5,0		30,0		30,0
Semester 06	Oblig.		30,0	80,0	82,0	52,0	214,0
UE6 - Information processing	Oblig.	1	6,0	20,0	18,0	20,0	58,0
ELC1 - Signal processing	Oblig.	0.5	3,0	8,0	8,0	12,0	28,0
ELC2 - Automation	Oblig.	0.5	3,0	12,0	10,0	8,0	30,0
UE7 - Thermal, mechanical and electrical systems	Oblig.	1	6,0	20,0	32,0	20,0	72,0
ELC1 - Electrical energy conversion	Oblig.	0.33	2,0	8,0	6,0	8,0	22,0
ELC2 - System mechanics	Oblig.	0.5	3,0	12,0	12,0	12,0	36,0
ELC3 - Thermal systems	Oblig.	0.17	1,0		14,0		14,0
UE8 - Advanced transfer and fluid flow	Oblig.	1	6,0	36,0	28,0		64,0
ELC1 - Heat transfer - unsteady conduction	Oblig.	0.33	2,0	14,0	8,0		22,0
ELC2 - Viscous fluid dynamics	Oblig.	0.5	3,0	14,0	14,0		28,0
ELC3 - Heat transfer - radiation and models	Oblig.	0.17	1,0	8,0	6,0		14,0
UE9 - Building thermal systems and integrator project	Oblig.	1	6,0	4,0	4,0	12,0	20,0
ELC1 - Building thermal systems	Oblig.	0.33	2,0	4,0	4,0	12,0	20,0
ELC2 - Project	Oblig.	0.67	4,0				
UE10 - Industrial internship	Oblig.	1	6,0				