

SCIENCES, INGÉNIERIE ET TECHNOLOGIES

Ingénieur ENSEEIHT Electronique et Génie électrique (En-Ge) 1ère année

Ingénieur ENSEEIHT Electronique et Génie Electrique



ECTS
60 credits

Program

	Nature	CM	TD	TP	Crédits
Année 1A-En-Ge-FISE	UE				60 credits
Semestre 5 3EA-FISE	UE				30 credits
Integration and probabilities	UE				5 credits
Integration	UE				
Complex Variable	UE				
Probabilities	UE				
Upgrade	UE				
Introduction to Algorithmic, Programming and Computer Architecture	UE				5 credits
Algorithms and Imperative Programming	UE				
Architecture and Assembler-programming	UE				
Digital Systems Design	UE				5 credits
Theoretical Approach of combinational and sequential logic	UE				
Digital Functions and Technologies	UE				
Project : Design of sequential and combinatoria Digital units	UE				
Fundamental Circuit Theory	UE				5 credits
Electric Circuits Analysis Methods	UE				
Instrumentation and Power Circuits	UE				
Circuits labs	UE				
Physics for Electrical Engineering	UE				5 credits
Electromagnetism	UE				
Material Physics	UE				
Propagation in Transmission Lines	UE				
Upgrade	UE				
Soft and Human Skills	UE				5 credits
Anglais	UE				
Second language	UE				
Spanish	UE				
Portuguese	UE				
Chinese	UE				
Italian	UE				
Japonese	UE				
Russian	UE				
German	UE				
French as a Foreign Language	UE				
Sports	UE				
Leadership and management	UE				
Choix de Parcours Semestre 6-1A En-Ge-FISE	UE				
Semestre 6-3EA-FISE	UE				30 credits
Elément selon finalité	UE				
Connected Objects	UE				5 credits
Connected Objects	UE				

Complément de formation	UE	
Electrical Plane	UE	5 credits
Airplane Electrical Networks	UE	
Basic Structures for C/A and A/C Conversion	UE	
Electromecanic conversion	UE	
Numerical Analysis and Statistics	UE	5 credits
Differential Caculation and Optimisation	UE	
Solving partial differential equations and Evolutionary Diffusion	UE	
Optimization (EDO) algorithms		
Statistics	UE	
Upgrade	UE	
Signal and Control	UE	5 credits
Signal Processing	UE	
Dgital Signal Processing	UE	
Continuous Linear Systems Control	UE	
Electric circuits and systems	UE	5 credits
Modeling by physical analogies & analysis	UE	
Op amps and Compensation	UE	
Matlère selon Finalité	UE	
Advanced Opamp Systems	UE	
Magnetic Circuits and Reluctance Modeling of Machines Stators	UE	
Components and Architecture	UE	5 credits
Semiconductors Physics and PN Junctions	UE	
Signal and Power Transistors	UE	
Matière selon Finalité	UE	
Transistors Amplifier Circuits	UE	
Introduction to Static Conversion	UE	
Upgrade	UE	5 credits
English	UE	
Second language	UE	
Spanish	UE	
Portuguese	UE	
Chinese	UE	
Italian	UE	
Japonese	UE	
Russian	UE	
German	UE	
French as a Foreign Language	UE	
Sports	UE	
Leadership and management	UE	