

Semestre 9 - Impact Entrepreneurship Low to Deep Tech 3EA



ECTS
30 credits



Component
École Nationale
Supérieure
d'Électrotechnique
d'Électronique
d'Informatique
d'Hydraulique
et des
Télécommunications

In brief

> **Amety's Code:** M8FRIK19

List of courses

	Nature	CM	TD	TP	Crédits
Choix UE Hard Skills 3EA Parcours Impact Entrepreneurship	Bloc				
Choix UE Parc. InSys Parc. Impact Entrepreneurship	Choix				
ADVANCED DIGITAL ELECTRONICS	UE				5 credits
FPGA system design for signal processing	Matière				
Circuit testing and fault simulation	Matière				
POWER MANAGEMENT	UE				5 credits
Microprocessor Power Supply	Matière				
MOSFET Driver Circuits	Matière				
EMC for SMPS	Matière				
FEM Modeling of Integrated passive filters	Matière				
ADVANCED RADIOFREQUENCY ELECTRONICS	UE				5 credits
RF equipment	Matière				
MMIC	Matière				
MEMS	Matière				
ANALOG ELECTRONIC SYSTEMS IN RADIOFREQUENCIES	UE				5 credits
Optoelectronic Components and Circuits	Matière				
Filter Synthesis	Matière				
Integrated photonics	Matière				
Internet of Things	Matière				
DIGITAL SYSTEMS	UE				5 credits
Synthesis strategy	Matière				
EMC for integrated circuits	Matière				
System on Chip	Matière				
ANALOG AND DIGITAL SYSTEMS	UE				5 credits
ADC and DAC	Matière				
Space Embedded Systems Conferences	Matière				
Integration of instrumentation chains	Matière				
Reliability of embedded systems	Matière				
APPROFONDISSEMENT ANALOGIQUE	UE				5 credits
Introduction to Cadence Layout XL / Spectrum	Matière				
Analog ASIC project	Matière				
Choix UE Parc. SysCom Parc. Impact Entrepreneurship	Choix				
ADVANCED RADIOFREQUENCY ELECTRONICS	UE				5 credits
RF equipment	Matière				
MMIC	Matière				
MEMS	Matière				
PROPAGATION PHENOMENA AND RADAR	UE				5 credits
Actual propagation of electromagnetic waves	Matière				
Electromagnetic diffraction analysis / Radar equipment	Matière				
Radar project	Matière				
APPLIED PHYSICS AND NUMERICAL METHODS	UE				5 credits
Electromagnetism and multiscale devices	Matière				
Multiphysics Models	Matière				
Electromagnetism and nanoelectronics	Matière				
Synthesis of High Frequency Equivalent Electrical Circuits	Matière				
HIGH FREQUENCY EMBEDDED SYSTEMS	UE				5 credits
2 / 3 Microwave and Optical Sensors	Matière				
HF optoelectronic components and circuits	Matière				
Internet of Things	Matière				
Passive high frequency devices in waveguide technology	Matière				

