

## Semestre 9 - Systems Integration (INSYS)



ECTS  
30 credits



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

### In brief

- › **Ametys Code:** M8FQG5ZK
- › **Open to exchange students:** Yes

## List of courses

	Nature	CM	TD	TP	Crédits
<b>ANALOG ELECTRONIC SYSTEMS IN RADIOFREQUENCIES</b>	UE				5 credits
Optoelectronic Components and Circuits	Matière				
Filter Synthesis	Matière				
Integrated photonics	Matière				
Internet of Things	Matière				
<b>DIGITAL SYSTEMS</b>	UE				5 credits
Synthesis strategy	Matière				
EMC for integrated circuits	Matière				
System on Chip	Matière				
<b>ANALOG AND DIGITAL SYSTEMS</b>	UE				5 credits
ADC and DAC	Matière				
Space Embedded Systems Conferences	Matière				
Integration of instrumentation chains	Matière				
Reliability of embedded systems	Matière				
<b>1st ELECTIVE TEACHING UNIT</b>	UE				5 credits
<b>ADVANCED DIGITAL ELECTRONICS</b>	UE				5 credits
FPGA system design for signal processing	Matière				
Circuit testing and fault simulation	Matière				
<b>ADVANCED ANALOG ELECTRONICS</b>	UE				5 credits
Integration of instrumentation chains	Matière				
Analog ASIC project	Matière				
<b>2nd ELECTIVE TEACHING UNIT</b>	UE				5 credits
<b>POWER MANAGEMENT</b>	UE				5 credits
Microprocessor Power Supply	Matière				
MOSFET Driver Circuits	Matière				
EMC for SMPS	Matière				
FEM Modeling of Integrated passive filters	Matière				
<b>ADVANCED RADIOFREQUENCY ELECTRONICS</b>	UE				5 credits
RF equipment	Matière				
MMIC	Matière				
MEMS	Matière				
<b>SOFT AND HUMAN SKILLS 3EA S9</b>	UE				5 credits
Professional English-LV1-Semestre 9	Bloc				
Anglais Scientifique	Matière				
Choix 2 Anglais Professionnel - 3A	Choix				
Anglais Clinique	Matière				
Anglais de Cambridge ou Projet	Matière				
CV Entretiens(3EA)	Matière				
Recherche doc.(3EA)	Matière				
<b>CHOIX Careers and Management 3EA S9</b>	Choix				
Entrepreneurship Project	Matière				
Corporate Project and Social Responsibility	Matière				

