

## Semestre 8 - Electrical systems of the future (SEF)



ECTS  
30 credits



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

### In brief

- **Amety's Code:** M8FPCGCR
- **Open to exchange students:** Yes

## List of courses

	Nature	CM	TD	TP	Crédits
<b>CONTROLLED, NON LINEAR SYSTEMS</b>	UE				5 credits
State space	UE				
Introduction to Non-linear control	UE				
Non-linear control	UE				
Automatic Tutorials	UE				
<b>DIGITAL CONTROL</b>	UE				5 credits
Digital control	UE				
Digital Control Project	UE				
Industrial automation	UE				
Automatic Control Systems Tutorials	UE				
<b>ELECTRICAL SYSTEM ARCHITECTURES AND CONTROLS</b>	UE				5 credits
Electric vehicle motor sizing / CVS-Machines design elements	LV2 facultative				
Converter control	UE				
Machine control	UE				
ZOE powertrain project	UE				
<b>IMPLEMENTATION OF SWITCHING CELLS</b>	UE				5 credits
Switching Mechanisms in Static Converters	UE				
Thermal	UE				
Static Converter close control project	UE				
<b>RENEWABLE ENERGIES AND FACTS</b>	UE				5 credits
Introduction to FACTS	UE				
Renewable energy: wind and solar power	UE				
<b>SOFT AND HUMAN SKILLS</b>	UE				5 credits
Professional Communication and English-Sem.8	Matière				
Second language	Choix				
Espagnol-S8	Matière				
Portugais-S8	Matière				
Chinois-S8	Matière				
Italien-S8	Matière				
Japonais-S8	Matière				
Russe-S8	Matière				
Allemand-S8	Matière				
FLE - S8	Matière				
LSF - S8	Matière				
Sports	Matière				
Careers and Management - Sem.8	Choix				
Leadership	Matière				
Entrepreneurship	Matière				
Citizenship	Matière				
Managership-S8	Matière				

