

## Parcours ENP



### Component

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

### In brief

> **Code:** NDGP2

## List of courses

	Nature	CM	TD	TP	Crédits
<b>Static Converters, Machines and Control</b>	UE				6 credits
Association Static Converters machines	UE				
Modulation, Filtering and Sizing of Inverters	UE				
Electric Machines Conception	UE				
Introduction to Machines Control	UE				
Modeling and Control of Static Converters	UE				
MASAP, MAS v/f	UE				
<b>Numerical command</b>	UE				3,5 credits
real time digital control project	UE				
real time digital control	UE				
<b>Automatic Control and Systems</b>	UE				4 credits
Discrete polynomial command	UE				
State Space	UE				
Non linear Control (All and EMEC)	UE				
Auto (Pendule, Susp. Magn.) (ENP)	UE				
<b>Switching implementation</b>	UE				5,5 credits
Switching Mechanism in Static Converters	UE				
Thermics	UE				
Static Converters Control	UE				
<b>Electric Systems and Networks</b>	UE				5 credits
Introduction to Flexible AC Transmission System	UE				
Renewable Energies and Photovoltaic Systems	UE				
Bond Graph Modeling	UE				
Inverters Filtering	UE				
Flexible AC Transmission System Labs	UE				
<b>Soft and Human Skills</b>	UE				
Professional English 2.2 : Debates	UE				
Second language	UE				
Spanish	UE				
Spanish	UE				
Chinese	UE				
Italian	UE				
Japanese	UE				
Russian	UE				
German	UE				
french (as a foreign language)	UE				
Sports	UE				
Leadership & Management	UE				