

Semestre 7 - Electronics, Electrical Energy and Simulations (EEES)



ECTS
30 credits



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

In brief

- > **Code:** M8FQ69YJ
- > **Open to exchange students:** Yes

List of courses

| | Nature | CM | TD | TP | Crédits |
|--|---------|----|----|----|-----------|
| ELECTROMAGNETIC PROPAGATION | UE | | | | 5 credits |
| Guided propagation | UE | | | | |
| Ideal Passive Circuits | UE | | | | |
| Transmission Lines | UE | | | | |
| COMPUTER SCIENCE AND ANALOG FILTERING | UE | | | | 5 credits |
| Analog Filtering | UE | | | | |
| Object-Oriented Programming (POO) | UE | | | | |
| Reliability of numerical calculations | Matière | | | | |
| SCIENTIFIC COMPUTING FOR ELECTRICAL ENGINEERING | UE | | | | 5 credits |
| Random Signals | UE | | | | |
| Numerical analysis | Matière | | | | |
| Méthodes Numériques pour les EDP | Matière | | | | |
| POWER ELECTRONIC COMPONENTS AND MECATRONIC | UE | | | | 5 credits |
| Electro-megneto-thermal modeling and simulation of power electronic components | Matière | | | | |
| ELECTRICAL MACHINE MODELING AND NUMERICAL SIMULATION | UE | | | | 5 credits |
| Electromagnetic modeling of machines | UE | | | | |
| Numerical experiences | Matière | | | | |
| SOFT AND HUMAN SKILLS | UE | | | | 5 credits |
| Professional Communication and English -Lv1 -Sem.7 | Matière | | | | |
| 2nd language | Bloc | | | | |
| Espagnol-S7 | Matière | | | | |
| Portugais-S7 | Matière | | | | |
| Chinois-S7 | Matière | | | | |
| Italien-S7 | Matière | | | | |
| Japonais-S7 | Matière | | | | |
| Russe-S7 | Matière | | | | |
| Allemand-S7 | Matière | | | | |
| FLE - S7 | Matière | | | | |
| LSF - S7 | Matière | | | | |
| Sports | Matière | | | | |
| Leadership & Management | Matière | | | | |