

Curriculum in English

Engineering School



Programme in French

2 specializations

AUTOMATION

PC-based processes, machine learning and artificial intelligence, programmable controllers, design of automated systems, communication in control systems, industrial electronics, etc.

ELECTROMECHANICS

Design and modeling of industrial mechanisms and structures, study of thermomechanical systems, efficient energy use and management, eco-design, life cycle analysis of a product or service, etc.

Course descriptions



AUTUMN SEMESTER



	ECTS
English for construction processes	2
Power engineering (theory)	2
Machine Learning	4
Power electronics	3
Fuzzy logic	3
Monitoring and Process control	4
Data base	4
Energy design (theory)	3
Material sciences	5
Industrial design	5
English for job applications, TOIEC and biotechnology	3
Energy Efficiency	2

SPRING SEMESTER



	ECTS
English for the smart city and the environment	2
Power engineering (laboratory and research)	3
Engineering design project	5
Industrial design	5
English for smart buildings and robotics	2
Process Control	4
Intelligent systems	4
Design and numerical modelling	5
Energy design (laboratory and research)	4
Ecodesign	4
Industrial Internet of Objects	5