

Semestre 8 - Artificial intelligence for information processing (IATI)



ECTS
30 credits



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

In brief

- **Code:** M8FPDU2A
- **Open to exchange students:** Yes

List of courses

	Nature	CM	TD	TP	Crédits
APPLIED MATHEMATICS	UE				5 credits
Advanced linear algebra	UE				
Hilbertian analysis	UE				
Optimisation under constraints	Matière				
DIGITAL SYSTEM ARCHITECTURE	UE				5 credits
FPGA technology	UE				
DSP	UE				
Synchronous design of digital systems	Matière				
IMAGE AND SIGNAL PROCESSING MODELING	UE				5 credits
Image processing	UE				
Image Project	Matière				
Modeling	UE				
Elective Course: Advanced Study in IATI	Bloc				
Advanced Study SIA	Choix				
SIGNAL ADVANCED METHODS	UE				5 credits
Signal representation and analysis	Matière				
Optimal filtering	Matière				
Multivariate analysis	Matière				
Inverse problems	Matière				
AI FUNDAMENTALS	UE				5 credits
Information Theory	Matière				
Introduction to Deep Learning	Matière				
Statistics - advanced methods	Matière				
Computational statistics	Matière				
Advanced Study TSE	Choix				
SIGNAL ADVANCED METHODS	UE				5 credits
Signal representation and analysis	Matière				
Optimal filtering	Matière				
Multivariate analysis	Matière				
AI INTRODUCTION	UE				5 credits
Introduction to Deep Learning	Matière				
Introduction to AI and Cognition Course	Matière				
SOFT AND HUMAN SKILLS	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				

