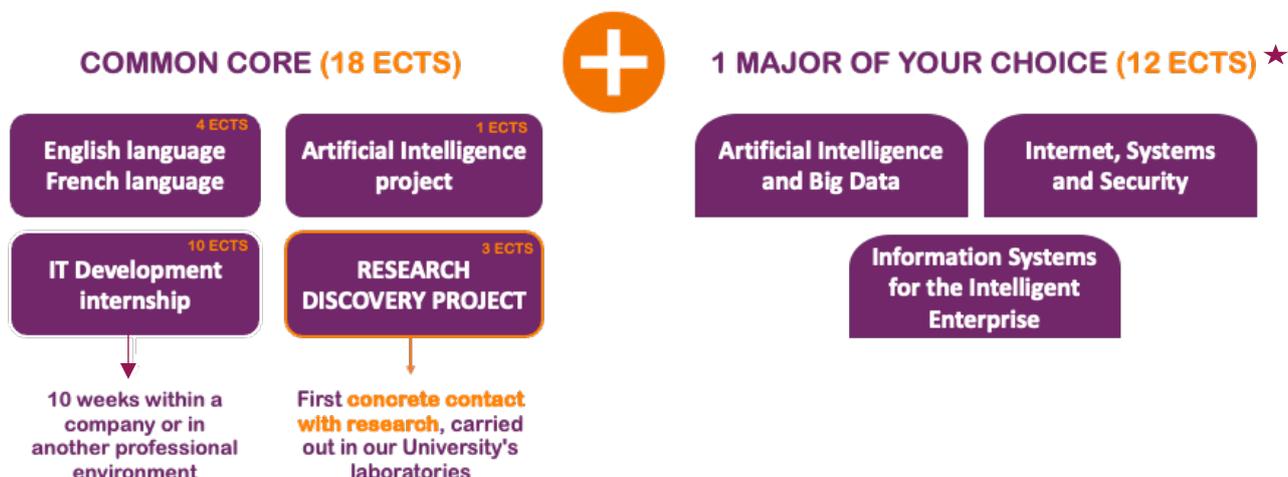


ENGLISH PROGRAM FOR EXCHANGE STUDENTS

Spring semester (January to July) - **RESEARCH ORIENTED**

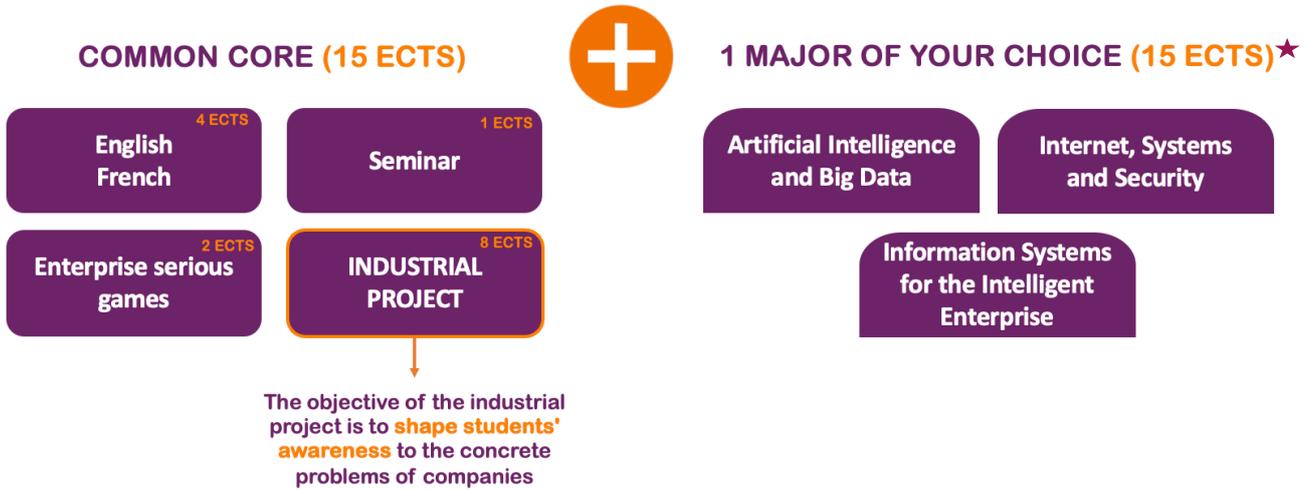


★ MAJORS' DETAILED LIST OF COURSES:

ARTIFICIAL INTELLIGENCE AND BIG DATA (12 ECTS)
Statistics and Data Analysis
Information Coding: application to medical data
Performance Evaluation
Parallel Algorithms
Big Data Management
Data Visualization
Business Oriented Course 1
OR
INTERNET, SYSTEMS AND SECURITY (12 ECTS)
Information theory, data compression and reliability
Cryptography and authentication
Security of applications
Advanced networks and systems
Digital forensics
Cyber-security: methods, regulations and organization
Language compilation projects 2
Monitoring, control and internet
OR
INFORMATION SYSTEMS FOR THE INTELLIGENT ENTERPRISE (12 ECTS)
Design and Performance of the Smart Enterprise
Digital Twin and Artificial Intelligence for Industry
Information Systems Development
Enterprise 4.0
Enterprise Integrated Management

ENGLISH PROGRAM FOR INCOMING STUDENTS

Fall semester (September to February) - **INDUSTRY ORIENTED**



★ **MAJORS' DETAILED LIST OF COURSES:**

ARTIFICIAL INTELLIGENCE AND BIG DATA (15 ECTS)
NoSQL Databases
Cloud Computing: Opportunities and Risks
Business Oriented Course 2 + Big Data Seminar
Statistical Learning
Advanced Artificial Intelligence
Big Data Hackathon
Data Mining and Knowledge Extraction
Distributed Algorithms

OR

INTERNET, SYSTEMS AND SECURITY (15 ECTS)
Mobile applications and internet of things
Big data for cyber-security
Cloud computing: opportunities and risks
Security of networks and services
Malware and reverse engineering
Security protocols and verification
Security management
Ethical hacking
Advanced cryptography

OR

INFORMATION SYSTEMS FOR THE INTELLIGENT ENTERPRISE (15 ECTS)
Model-Based Systems Engineering
Distributed Systems
NoSQL Database
SAP Enterprise Resource Planning system
Business Intelligence
Enterprise Applications Interoperability