

MAJORS OFFERED IN ENGLISH

Big Data

UE81BD	BD Fundamentals II	Credits
ST2CXO	Convex Optimisation	3
ST2FDP	Functional Data Programming	3
ST2ML2	Advanced Machine Learning and Text Mining	3
UE83BD	BD Applications II	Credits
ST2CXO	Data Visualisation and Applications	3
ST2FDP	Applications of Big Data for IoT	3

Business Intelligence

UE81BI	BI Fundamentals II	Credits
ST2DWH	Data Warehouse	3
ST2IBD	Introduction to Big Data	3
ST2KM	Knowledge management and semantic web	3
UE83BI	BI Applications II	Credits
ST2ERP	Enterprise Resource Planning	3
ST2IBI	Introduction to Business Intelligence	3

Information Systems and Cloud Engineering

UE81ISCE	IS Fundamentals II	Credits
ST2IBD	Introduction to Big Data	3
ST2IOT	Internet of Things	3
ST2KM	Knowledge Management and Semantic Web	3
UE83ISCE	IS Applications II	Credits
ST2CT	Collaborative Tools	3
ST2ERP	Enterprise Resource Planning	3

IT for Finance

UE81ITF	ITF Fundamentals II	Credits
ST2FIR	Financial Risk	3
ST2PMA2	Pricing of Derivative: Models and Algorithms II	3
ST2NAF	Numerical Analysis Applied to Finance	3
UE83ITF	Information Technology II	Credits
ST2BDA	Advanced Databases	3
ST2BAN	Big Data Applied to Finance: Business Analytics	3

Networks and Virtualisation

UE81NV	Modern Networking	Credits
ST2QSV	Quality of Service, VoIP and Modern Networking	3
ST2VFA	Virtualisation Foundations and Applications	3
ST2IBDNS	Big Data, Networks and Security	3
UE83NV	Network and System Administration	Credits
ST2WINA	Windows Administration	3
ST2LINA	Linux Administration	3

Software Engineering

UE81SE	Software Factory II	Credits
ST2FDP	Functional Data Programming	3
ST2FWD	Front-end Web Development	3
ST2MOB	Mobile Development	3
UE83SE	System and Interoperability II	Credits
ST2BDA	Advanced Databases	3
ST2RTS	Real-Time Systems	3

MAJORS OFFERED IN FRENCH

Avionique et espace

UE81AE	Sécurité et sureté de fonctionnement	Credits
ST2SCM	Systèmes critiques et leur modélisation	3
ST2PDM	Protection des données et des matériels	3
ST2TBTA	Tableau de bord virtuel et techniques d'accès	3
UE83AE	Data Intelligence	Credits
ST2IBD	Big Data et technologies embarquées	3
ST2ESD	Estimation et décision	3

Sécurité des SI

UE81SSI	Fondamentaux de la SSI II	Credits
ST2IBDNS	Big Data, Networks and Security	3
ST2MAC	Mathematics and Applied Cryptography	3
ST2NSSI	Network security	3
UE83SSI	Applications de la SSI II	Credits
ST2ETHA2	Ethical Hacking II	3
ST2SMA	Sécurité des réseaux sans fil	3

Imagerie et réalité virtuelle

UE81IRV	Fondamentaux de l'IRV II	Credits
ST2IBD	Introduction to Big Data	3
ST2RDF	Reconnaissance des formes	3
ST2TIA	Traitement d'images avancé	3
UE83IRV	Applications de l'IRV II	Credits
ST2G3D	Graphique 3 D	3
ST2IRV	Introduction à la réalité virtuelle	3

Droïdes et drones

UE81DD	Systèmes robotiques	Credits
ST2ROB	Robotique	3
ST2CEN	Commande et énergie	3
ST2VCN	Vision et communications numériques	3
UE83DD	Data Intelligence	Credits
ST2IBD	Big Data et technologies embarquées	3
ST2ESD	Estimation et décision	3

FORMATION GENERALE (General Knowledge Courses)

Career Courses

COURSE	CODE	ECTS
INGÉNIEUR D'AFFAIRES		
Simulation de gestion UPSTRAT-INOBIKE	METIA2	1
Élaboration d'une offre commerciale	METIA3	1
ENTREPRENEUR		
Simulation de gestion UPSTRAT-INOBIKE	METENT2	1
Cas d'entreprise	METENT3	1
INTERNATIONAL PROJECT MANAGER		
Winexpert Business Game	METIPM2	1
International Project Management	METIPM3	1
CONSULTANT		
Simulation de gestion USPTRAT-FI	METCO2	1
Audit stratégique	METCO3	1
INNOVATION AND STRATEGY		
Winexpert Business Game	METINN2	1
Managing Innovation	METINN3	1
ARCHITECTE SI		
Simulation de gestion USPTRAT-FI	METAR2	1
Mobiliser l'intelligence collective	METAR3	1
EXPERT		
Simulation de gestion USPTRAT-FI	METEXP2	1
Management du changement	METEXP3	1
RESEARCH AND DEVELOPMENT		
Business Simulation Winexpert	METRD2	1
Patents, Norms and Standards : Challenges and Opportunities for Technology Transfer	METRD3	1

Language Courses

COURSE	CODE	ECTS
FRENCH		
FLE (Français Langue Étrangère)	FL2FLE8A-TD	1
SECOND FOREIGN LANGUAGE		
LV2 – Langue Vivante 2 : Spanish, German, Chinese or Japanese	LV2FAC	1
ENGLISH		
English 8 - Capacity Building	FL2CB8	1
English 8 - Trends in the Corporate World	FL2CW8	1
English 8 - Issues in Global Finance	FL2GF8	1
English 8 - Preparation for Graduate Studies Overseas	FL2GS8	1
English 8 - Media Studies and Democracy	FL2MS8	1
English 8 - Critical Thinking and Public Speaking	FL2PS8	1
English 8 - Technology and Arts	FL2TA8	1
English 8 - Technology in Cinema	FL2TC8	1
English 8 - Technology and Society	FL2TS8	1
English 8 - Developing World and Emerging Economies	FL2DW8	1