



**INSTITUT
POLYTECHNIQUE
DE PARIS**

Master of Science and Technology
Programs

(Please note this brochure is indicative of the structure/courses of all programs and may be subject to change!)



Visual and Creative Artificial Intelligence

YEAR 1	YEAR 2
<p>PERIOD 1 2 REFRESHER COURSES</p> <ul style="list-style-type: none"> o Refresher in Statistics o Refresher in Computer Science <p>MANDATORY COURSES</p> <ul style="list-style-type: none"> o Computer Animation <p>SELECT 1 COURSE</p> <ul style="list-style-type: none"> o Machine and Deep Learning o Foundations of Machine Learning <p>SELECT 2 COURSES</p> <ul style="list-style-type: none"> o Digital Representation and Analysis of Shapes o Topological Data Analysis o Image analysis and Computer Vision o Signal processing <p>MANAGEMENT COURSES</p> <ul style="list-style-type: none"> o Fundamental of Strategy and Innovation (or) Introduction to Marketing and Strategy o Sports o Humanities o Foreign Languages 	<p>PERIOD 2 2 MANDATORY COURSES</p> <ul style="list-style-type: none"> o Advanced Machine Learning and Autonomous Agents o Computer Vision : From Fundamentals to Applications <p>SELECT 2 COURSES</p> <ul style="list-style-type: none"> o Advanced Deep Learning o Statistics in action o Real-time AI in Video Games : decisive & collaborative actions o Image synthesis: Theory and practice o Computational Optimal Transport for ML and Generative Modeling. <p>MANAGEMENT COURSES</p> <ul style="list-style-type: none"> o Startup and Large Companies: Building a Bridge for Innovation o Sports o Humanities o Foreign Languages <p>PERIOD 3</p> <ul style="list-style-type: none"> o Research Oriented Internship (4-6 Months).
<p>2 REFRESHER COURSES</p> <ul style="list-style-type: none"> o Refresher in Statistics o Refresher in Computer <p>PERIOD 1</p> <ul style="list-style-type: none"> o Deep Learning o Introduction to NLP and LLMs o Deep Reinforcement Learning o Analysis and Deep Learning on Geometric Data o Smart Models for 3D Content Creation and Animation <p>PERIOD 2</p> <ul style="list-style-type: none"> o Navigation for Autonomous Systems o Introduction to the verification of Neural Networks o Socio - Emotional Embodied Conversational Agents o Virtual/ Augmented Reality and 3D Interactions o Computer Vision o Soft Robots 	<p>SEMINAR</p> <ul style="list-style-type: none"> o Ethical issues and novel applications of AI <p>TRANSVERSE</p> <ul style="list-style-type: none"> o Experience-based learning <p>INTERNSHIP</p> <ul style="list-style-type: none"> o 5 - 6 Month Internship in a Company or Research Lab.

Trustworthy and Responsible Artificial Intelligence

YEAR 1	YEAR 2	
<p>PERIOD 1 2 REFRESHER COURSES</p> <ul style="list-style-type: none"> o Refresher in Statistics o Tools, software and good practice of IA development <p>2 MANDATORY COURSES</p> <ul style="list-style-type: none"> o Optimisation and Responsible AI o Algorithmic Fairness <p>SELECT 1 COURSE</p> <ul style="list-style-type: none"> o Machine and Deep Learning o Foundations of Machine Learning <p>SELECT 1 COURSES</p> <ul style="list-style-type: none"> o Constraint-based Modeling and Algorithms for Decision Making o Topological Data Analysis o Image Analysis and Computer Vision o Signal Processing o Digital representation and analysis of shapes o Emerging Topics in Machine Learning <p>SELECT 1 COURSE</p> <ul style="list-style-type: none"> o Fundamentals of Strategy and Innovation o Introduction to Marketing and Strategy <p>PERIOD 2 2 MANDATORY COURSES</p> <ul style="list-style-type: none"> o Advanced Machine Learning 	<p>and Autonomous Agents</p> <ul style="list-style-type: none"> o Advanced Deep Learning <p>SELECT 2 COURSES</p> <ul style="list-style-type: none"> o Advanced Deep Learning o Computer Vision: From Fundamentals to Applications o Statistics in action o Real-time AI in Video Games : decisive & collaborative actions o Image synthesis: Theory and practice o Regression and Classification o Deep Learning From Theory to Practice o Computational Optimal Transport for ML and Generative Modeling. <p>1 MANAGEMENT COURSE</p> <ul style="list-style-type: none"> o Startup and large companies : building a bridge for innovation <p>TRANSVERSE</p> <ul style="list-style-type: none"> o Sports o 2 Modules - Humanities and French culture o Foreign Language <p>PERIOD 3</p> <ul style="list-style-type: none"> o Research Oriented Internship (4-6 Months). 	
	<p>PERIOD 1</p> <ul style="list-style-type: none"> o Introduction to the verification of Neural Networks o Deep Reinforcement Learning o Seminar on ethical issues and novel applications of AI o Bias Detection and Mitigation o Security, Privacy, and Explainability in LLMs o Explainability, Transparency and Fairness in ML o Project <p>PERIOD 2</p> <ul style="list-style-type: none"> o Networks Optimization and IA with Applications to Sustainability o Fighting Disinformation and Information Dissemination Risks Online o Socio - Emotional Embodied Conversational Agents o Applications of AI to Transport Networks o Seminar Course on Applications of AI in Sustainable/Renewable Energy o Seminar Series on AI use cases in business o Seminar on AI Regulation and Governance o Project 	<p>TRANSVERSE</p> <ul style="list-style-type: none"> o Sports o 2 Modules - Humanities and French culture o Foreign Language <p>INTERNSHIP</p> <ul style="list-style-type: none"> o 5 - 6 Month Internship in a Company or Research Lab.



Internet of Things: Innovation and Management

YEAR 1

PERIOD 1

Refreshers:

- o IoT Refresher
- o Company simulation

Core Courses:

- o Practical C and Java Programming, Algorithms, and Data Structure
- o IoT Workshops
- o From the Internet to the IoT – The Fundamentals of Modern Computer
- o Business model for impact in the digital world
- o Digital and Analog Electronics

PERIOD 2

- o IoT Workshops
- o Scientific Writing & Analysis
- o From Fundamentals to Reality – How the Internet Really Works, and How to Make It Better
- o Managing sustainable innovation
- o Case studies on innovation

TRANSVERSE

- o IoT Seminars

PERIOD 3

- o 16-20 week research or industrial internship

YEAR 2

PERIOD 1

- o Microfluidics and Biosystems
- o A Programmer's Introduction to Computer Architectures and Operating
- o Safe Intelligent Systems
- o Foundation of Machine Learning
- o Database Management Systems
- o Fundamentals of Strategy and innovation

PERIOD 2

- o Digital Economics
- o Machine learning II
- o Technology-Based Entrepreneurship and New Business Creation
- o Practical cases & Research by sectorial immersions

TRANSVERSE

- o IoT Project & Workshops
- o IoT Seminars

PERIOD 3

- o 20-24 week research or industrial internship

Cybersecurity

YEAR 1

- o Computer Networking Fundamentals
- o Network Security
- o Computer Architectures and Operating Systems
- o Cryptology
- o Formal Methods for Software Security
- o Scientific Writing & Analysis
- o Introduction to Cyber governance
- o Facing the Unknown
- o Select Topics in Cybersecurity

16-20 week internship complete immersion within a cyber-security research and development team — in a government organization, research laboratory, or company.

YEAR 2

- o Modern Software Architectures & Processes
- o MCO/MCS
- o Embedded Systems Security
- o Reverse engineering vs Obfuscation
- o Penetration Testing
- o Digital Forensics
- o AI for Cybersecurity and the Cyber-risks of AI
- o ISO 27k1 - Construction and Audit of information security management systems
- o ISO 27k5 - Management of Information-Systems Risks
- o Incident Response

20-24 week internship complete immersion within a cyber-security research and development team — in a government organization, research laboratory, or company.

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Extended Cinematography



YEAR 1

PERIOD 1 BEGINNER LEVEL

SCIENCE AND TECHNOLOGY

- o Bootcamp - Cinema Essentials
- o Bootcamp - Computer Graphics and 3D Programming
- o Modeling
- o Animation
- o Computer Vision

CINEMA, AUDIOVISUAL AND VIRTUAL PRODUCTION

- o Ecosystem and Management
- o Historical Perspective
- o Virtual Production
- o Practical Projects in Virtual Production

ART AND SCIENCE

- o Creative Project
- o Seminar and Workshops

LANGUAGE AND PHYSICAL ACTIVITIES

- o Foreign Languages
- o Sport Activities

PERIOD 2

- o Work in Partner Company

YEAR 2

PERIOD 3 INTERMEDIATE LEVEL

SCIENCE AND TECHNOLOGY

- o Rendering
- o Game Engine
- o Technical Director
- o AI

CINEMA, AUDIOVISUAL AND VIRTUAL PRODUCTION

- o Narratology and Script Analysis
- o Aesthetic and Technical Analysis
- o Virtual Production
- o Practical Projects in Virtual Production
- o Capstone Film Project in Virtual Production

ART AND SCIENCE

- o Creative Project
- o Seminar and Workshops

LANGUAGE AND PHYSICAL ACTIVITIES

- o Foreign Languages
- o Sport Activities

PERIOD 4

- o Work in Partner Company

PERIOD 5 ADVANCED LEVEL

SCIENCE AND TECHNOLOGY

- o Bootcamp - Unity Essentials
- o Smart Models
- o 3D Scenes Capture & Reconstructions
- o Augmented Reality
- o Sound

CINEMA, AUDIOVISUAL AND VIRTUAL PRODUCTION

- o Innovation and Responsibility
- o Harassment and Gender-Based Violence
- o Virtual Production
- o Practical Projects in Virtual Production
- o Capstone Film Project in Virtual Production

ART AND SCIENCE

- o Creative Project
- o Seminar and Workshops

LANGUAGE AND PHYSICAL ACTIVITIES

- o Foreign Languages
- o Sport Activities

PERIOD 6

- o Work in Partner Company

PERIOD 7

SPECIALIZED LEVEL

SCIENCE AND TECHNOLOGY

- o Motion Capture
- o Natural Phenomena and VFX
- o Technical Director
- o Film Analysis & Generative AI

CINEMA, AUDIOVISUAL AND VIRTUAL PRODUCTION

- o Ethics, Rights, and Entrepreneurship
- o Next Generation Storytelling
- o Virtual Production
- o Practical Projects in Virtual Production
- o Capstone Film Project in Virtual Production

ART AND SCIENCE

- o Creative Project
- o Seminar and Workshops

LANGUAGE AND PHYSICAL ACTIVITIES

- o Foreign Languages
- o Sport Activities

PERIOD 8

- o Work in Partner Company



Energy Environment: Science, Technology, and Management

YEAR 1

Refresher course in Physics during the welcome weeks

PERIOD 1 SELECT 3 COURSES

- o Hydrology: Global changes and their impact on Water resources
- o Mechanics for Wind energy, an Introduction
- o Greenhouse Gases (GHG) Challenges and Observations
- o Energy and Environment
- o Photovoltaics & Solar Energy
- o Power Electrical Engineering for renewable energy

MATHEMATICAL AND NUMERICAL TRAINING

- o Refresher Course in Maths and a Project on Numerical Modeling Done in Twos

MANAGEMENT COURSE

- o Energy Industry Value Chain

PERIOD 2 SELECT 2 COURSES

- o Decision Theory, with Applications to Energy Systems
- o Meteorology and Environment
- o Hydro, Wind and Marine resources
- o Geological Storage of Energy and Wastes
- o Material Science for Energy Conversion and Storage

SELECT 1 COURSE

- o Projects in Solar and Wind Energy: Resource and Performance Analysis
- o Laboratory course in Photovoltaics
- o Experimental work in environmental Physics

MANAGEMENT COURSE

- o Sustainable Strategy and Business Models

TRANSVERSE COURSE

- o Coriolis Conferences and Industry visits

OPTIONAL COURSE

- o Python for beginners

INTERNSHIP

- o 16-20 week research or industrial internship.

YEAR 2

PERIOD 1 SELECT 3 COURSES

- o Nature-based solutions to substitute fossil Resources and address Global change
- o Chemical storage of Energy
- o Machine learning for Climate and Energy
- o Introduction to Atmospheric Composition: from Processes to Modeling and Air Quality Regulations
- o Sea States, Wave Propagation, and Ocean Wave Energy
- o Organic-Based Materials for the 3rd Generation of Solar Cells
- o Building and Using Models for the Energy Transition

MANAGEMENT COURSE

- o Designing Projects and Managing Operations in the Energy Industry

PERIOD 2 SELECT 3 COURSES

- o Renewable Thermal energy
- o Climate Change and Energy Transition

- o CO₂ Emission Reduction: Substitution, Paths, Negative CO₂ Emissions and CCUS
- o Thin Film Photovoltaics
- o Smart Grid for Renewable Energy
- o Energy Economics with a Geography Focus

SELECT 1 COURSE

- o Managing Sustainable innovation
- o Technology Development for a Sustainable future for all

SELECT 1 COURSE

- o Photovoltaic Technology in Industry
- o Advanced Experimental smart grid
- o Wind Power

TRANSVERSE

- o Coriolis conferences and Industry visits

INTERNSHIP

- o 20-24 week research or industrial internship.



More detailed course descriptions

Environmental Engineering and Sustainability Management

YEAR 1 YEAR 2

Refreshers in Chemistry and Biology during the welcome weeks

PERIOD 1

- o Environmental Chemistry
- o Microbial Ecology for Environmental Sciences
- o Analytical Chemistry

MANAGEMENT COURSE

- o Energy Industry Value Chain

PERIOD 2

- o Environmental Ecotoxicology
- o Life Cycle Assessment and other tools to Design Ecotechnologies I
- o Waste water treatment

MANAGEMENT COURSE

- o Sustainability, Business Models and Entrepreneurship

TRANSVERSE

- o Collective scientific project
- o Coriolis conferences
- o Field Trip and Company visits

INTERNSHIP

- o 16-20 week research or industrial internship

PERIOD 1

- o Hydrology
- o Solid Waste Valorization
- o Soil Pollution and Remediation

MANAGEMENT COURSE

- o Corporate Finance for the Entrepreneur

PERIOD 2

- o Drinking Water
- o Exploration and Statistical Analysis of Complex Datasets

SELECT 1 COURSE

- o Life Cycle Assessment (LCA) and other tools to Design Ecotechnologies II
- o Method Validation

SELECT 1 COURSE

- o Environmental Humanities
- o Molecular Biogeochemistry

MANAGEMENT COURSE

- o Case Studies on Innovation

TRANSVERSE

- o Collective scientific project
- o Coriolis Conferences
- o Field trip and companies visits

OPTIONAL COURSE

- o Python for beginners

INTERNSHIP

- o 20-24 week research or industrial internship

Economics, Data Analytics and Corporate Finance

YEAR 1 YEAR 2

PERIOD 1

- o Integration Week (Mid-September)
- o Refresher in Econometrics
- o Refresher in Microeconomics

- o Industrial Organization
- o Applied Econometrics 1
- o Corporate Finance
- o Python

SELECT 1 COURSE

- o Financial Decisions under Risk 1
- o Market Design
- o Urban Eco. & Real Estate
- o Environmental economics
- o Case Studies in Corporate Finance
- o Private Equity
- o Blockchain I Bitcoin and Smart-Contracts (ENSAE)

PERIOD 2

- o Applied Econometrics II
- o Advanced Corporate Finance
- o Business Economics

SELECT 1 COURSE

- o Competition Policy
- o Financial Decisions under Risk 2
- o Merger & Acquisition (ENSAE)
- o Behavioral Finance
- o Digital Economics
- o Seminar in Quantitative Marketing (ENSAE)
- o Economics of biodiversity
- o Environmental Economics II
- o Energy economics with geography focus
- o Law and Finance

2 BUSINESS GAMES

- o Sectorial strategic simulation
- o Business Game II

TRANSVERSE

- o Lecture series in public policy

PERIOD 3

- o 16 to 20 week research or industrial internship

FINANCE TRACK PERIOD 1

- o Econometrics of Competition
- o Valuation of Start ups
- o Business Models in a digital era

SELECT 2 COURSES

- o Financial Decisions under Risk 1
- o Blockchain 1 : Bitcoin and Smart-Contracts
- o Case Studies in Corporate Finance
- o Private Equity

PERIOD 2

- o Financial Markets
- o Big Data
- o Lecture series in finance and economics

SELECT 2 COURSES

- o Financial Decisions under Risk 2
- o Merger & Acquisition (ENSAE)
- o Behavioral Finance
- o Law and Finance

PERIOD 3

- o 20 to 24 week Research or industrial internship

ECONOMICS TRACK PERIOD 1

- o Firms & Markets
- o Econometrics of Competition
- o Business Models in a digital era

SELECT 2 COURSES

- o Urban Eco. & Real Estate
- o Environmental Economics
- o Dynamic pricing and revenue management (ENSAE)

PERIOD 2

- o New Technologies and the sharing Economy
- o Big Data
- o Lecture series in finance and economics

SELECT 2 COURSES

- o Energy economics with geography focus
- o Competition Policy
- o Digital Economics
- o Seminar in Quantitative Marketing (ENSAE)
- o Economics of biodiversity
- o Environmental Economics II

PERIOD 3

- o 20 to 24 week Research or industrial internship

Data and Economics for Public Policy



YEAR 1

PERIOD 1

- o Applied Econometrics I
- o Microeconomics and Statistics for Public Policy
- o Python and Stata for Data Science

SELECT 1 COURSE

- o Industrial Organization
- o Urban Eco. & Real Estate
- o Environmental Economics
- o Methods in Quantitative Sociology

SELECT 1 COURSE

- o Ethics and Responsibility in Data Science
- o *Droit Administratif (in French)*

PERIOD 2

- o Applied Econometrics II
- o Data Analysis in Economics: Collection and Visualization
- o Introduction to statistical learning

SELECT 1 COURSE

- o Economics of Biodiversity
- o Economics of Energy Sectors

SELECT 1 COURSE

- o Ethical Challenges and AI
- o *Internet and Society Finances Publiques (in French)*

TRANSVERSE

- o Lecture Series in Public Policy
- o Applied project: Policy-In-Action Consultancy

PERIOD 3

- o 16-20 week research or industrial internship

YEAR 2

STUDENTS WILL CHOOSE ONE OF THE 2 SPECIALIZATIONS

SOCIAL POLICIES

PERIOD 1

- o Applied statistical learning
- o Microeconomic Evaluation for Public Policies

SELECT 2 COURSES

- o Labor Economics
- o Health Economics
- o Public Economics and Public Finance
- o Randomized Methods and Policy Evaluation

SELECT 1 COURSE

- o Experiments in Economics and Social Sciences
- o Ethics and Responsibility in Data Science
- o *Droit Administratif (in French)*

PERIOD 2

- o Machine Learning for Econometrics
- o Machine Learning for NLP
- o Economics of Redistribution and Social Insurance.

SELECT 2 COURSES

- o Development Economics
- o Economics of Inequality: Measure and Findings
- o Sociological Perspectives on Social Inequality
- o Applied Labor Economics
- o Empirical Environment Economics

SELECT 1 COURSE

- o Topics in the History of Applied Economics
- o *Internet and Society Data Storytelling Finances Publiques (in French)*

TRANSVERSE

- o Lecture Series in Public Policy
- o Applied Project

PERIOD 3

- o 20-24 week research or industrial internship

SECTORAL POLICIES REGULATION AND COMPETITION

PERIOD 1

- o Econometrics of Competition
- o Industrial Organization or Theory of Industrial Organization

SELECT 2 COURSES

- o Market Design
- o Applied Statistical/ Machine Learning
- o Theory of Industrial Organization
- o Randomized Methods and Policy Evaluation

SELECT 1 COURSE

- o Experiments in Economics and Social Sciences
- o Ethics and responsibility in Data Science
- o *Droit Administratif (in French)*
- o *Droit des TIC (in French)*

PERIOD 2

- o Sectorial Regulations
- o Competition Policy

SELECT 2 COURSES

- o New Technologies and the Sharing Economy
- o Competition and Regulation of the Digital Economy
- o Microsimulation methods and Public Policy
- o Digital Economics
- o Economics of the Energy Markets

SELECT 1 COURSE

- o Internet and Society
- o Data Storytelling
- o Topics in the History of Applied Economics
- o *Finances Publiques (in French)*

TRANSVERSE

- o Lecture Series in Public Policy
- o Applied Project

PERIOD 3

- o 20-24 week research or industrial internship

Economics for Smart Cities and Climate Policy

YEAR 1

PERIOD 1

MANDATORY COURSES

- o Urban Economics and Real Estate
- o Environmental Economics and Policies in Cities
- o Applied Econometrics
- o Python 1

PERIOD 2

MANDATORY COURSES

- o Cities and transportation
- o Applied Econometrics 2

SELECT 1 COURSE

- o Energy economics with a geography focus
- o Digital Economics
- o Economics of Biodiversity
- o Economists facing nature
- o Environmental economics 2

1 MANDATORY WORKSHOP

- o Geographical information systems 1

TRANSVERSE

- o Capstone project
- o Lecture series in Public Policy

PERIOD 3

- o 16-20 week research or industrial internship

YEAR 2

PERIOD 1

MANDATORY COURSES

- o Traffic and transportation systems in urban context
- o Urban services and utilities
- o Python 2

MANDATORY MIE COURSE

- o Fundamentals of Strategy and Innovation

PERIOD 2

2 MANDATORY COURSES

- o GIS and public policies
- o Economics of energy sectors

SELECT 2 COURSES

- o Digital Economics
- o Economics of Biodiversity
- o Economists facing nature
- o Environmental economics 2
- o COP Climate (Period 1)
- o Introduction to statistical learning
- o Energy economics with a geography focus

TRANSVERSE

- o Capstone project : Paris Climate Action plan Evaluation II
- o Lecture Series ESCLIP

PERIOD 3

- o 20 to 24 -week research or industrial internship

Data Science and AI for Business X - HEC

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YEAR 1  YEAR 2 

PERIOD 1

DATA SCIENCE BOOTCAMP

- o Hands-on Introduction to Data Science

MANDATORY COURSES

- o Statistics
- o Linear Algebra and Regression
- o Machine Learning 1
- o Python / R
- o Machine Learning 2
- o Database Management
- o Datacamp

PERIOD 2

MANDATORY COURSE

- o Optimization/ Deep Learning

SELECT 1 COURSE

- o Capgemini Data Camp Projects
- o Data Challenge

PERIOD 3

INTERNSHIP

- o 16-20 week Internship in a company

CORE COURSES

- o Data for business challenges
- o Data engineering courses: using the latest tools (Spark, Github, Daitaku, Tableau...) to build and deploy models
- o Advanced coding in Python for Machine Learning
- o Reinforcement learning and advanced Deep Learning
- o Data & Strategy, Data & Finance, Data & Sustainability, Data & Regulation, Data for Ethics
- o Algorithmic Fairness & Interpretability

BUSINESS CHALLENGES

- o Data challenge Natixis
- o Data Business challenge Sustainability

TRACKS

- o Data Manager & Consultant: Joining a data science department of a company or a consulting firm to help clients develop business by leveraging data
- o Data Entrepreneur: Joining the HEC Startup Launchpad and creating a startup

Learning expedition: Paris, London to discover the companies using Data to develop their business

Double Degree Data and Finance X - HEC

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YEAR 1  YEAR 2 

PERIOD 1

DATA SCIENCE BOOTCAMP

- o Hands-on Introduction to Data Science

MANDATORY COURSES

- o Statistics
- o Linear Algebra and Regression
- o Machine Learning 1
- o Python / R
- o Financial Markets
- o Machine Learning 2
- o Numerical processing of Financial Data

PERIOD 2

MANDATORY COURSES

- o Deep Learning in Finance
- o Optimization/ Deep Learning

PERIOD 3

INTERNSHIP

- o 16-20 week compulsory internship within a company in a data-related sector, including investment banks (BNP-Paribas, BPCE), hedge funds and firms such as Microsoft, Facebook, Orange, Capgemini.

CORE COURSES

- o Soft skills seminar
- o Ethics seminar
- o Probability and statistics refresher
- o Behavioral and Sustainable Finance
- o Introduction to finance
- o Corporate finance
- o Financial accounting and reporting
- o International macroeconomics
- o Economics of Financial Regulation
- o Empirical Methods in Finance

ADVANCED CORE COURSES

- o Fixed income and MM
- o Securities markets
- o Capital markets specialization courses:
 - Financing Engineering
 - Quantitative asset management
- o Corporate finance specialization courses:
 - Corporate restructuring
 - Derivatives

DATA & FINANCE CORE COURSES

- o Introduction to Data Science and AI for managers

- o Data Analysis in Finance
- o Technology Regulation in the Financial Sector
- o Algorithms, Data & Trading
- o Blockchain & cryptocurrencies

FREE ELECTIVES

- o Credit Risk & Turnaround of distressed Companies
- o Energy and Finance
- o Infrastructure and Real Assets
- o Real Estate Foundations
- o Numerical Analysis
- o Financing Decisions of the Firms
- o Post-Merger Integration
- o Micro-economics of Crisis Economies
- o Energy Markets
- o Bond Portfolio management
- o Sustainable & Responsible investment
- o Alternative Investments
- o Financial Modelling
- o Corporate Finance Live
- o Quantitative Asset Management
- o Financial Dimension of Strategic Decisions
- o Start-up Valuation and Financing



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Contact us



Rte de Saclay, 91120 Palaiseau



+33 6 04 93 98 66



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