BSC | Brussels
Study Center
LAW & POLICY

LIÈGE
université

EXECUTIVE
MASTER
IN LAW & AI

LIFELONG LEARNING PROGRAMME 2024-2025

New educational programme on the law and policy questions raised by artificial intelligence (AI) and robotic technologies. The programme is entirely taught in English and divided into four blocks of 24 modules. Students who pass all the modules will be awarded an "Executive Master" of 15 credits.

BLOCK 1
AI FUNDAMENTALS

1_INITIATION TO ALGORITHM DESIGN　　**10**
06.12.2024 | R. SIEBERATH

2_ETHICS AND AI　　**10**
13.12.2024 |
L. GROZDANOVSKI, M. C. CHAMMAS

3_FIRST DIVE IN LAW & AI　　**11**
18.12.2024 | A. ITTOO, G. SARTOR

4_PUBLIC POLICY AND REGULATION AROUND THE WORLD　　**11**
20.12.2024 | L. RUSSO, A. MAUGERI, B. KOHN

BLOCK 2
THE LAW OF AI

5_EU REGULATION: THE AI ACT　　**12**
10.01.2025 |
M. ALMADA, S. SCALZO, T. STROBAND

6_LIABILITY　　**12**
17.01.2025 | A. BERTOLINI, M. BEAMISH, J. DE BRUYNE

7_DATA PROTECTION　　**13**
24.01.2025 | L. DE MUYTER, A. COLAPS

8_AI & LAW ENFORCEMENT　　**13**
29.01.2025 | V. FRANSSEN, F. JACQUES, T. SCHREPEL

9_COMPETITION AND CONSUMER PROTECTION　　**14**
05.02.2025 | F. BOSTOEN, T. GRAF, P. PAŁKA

10_LABOUR MARKET & LABOUR LAW　　**14**
14.02.2025 | J. FRANSSEN, S. TAES

11_CYBERSECURITY　　**15**
21.02.2025 | R. ROEX, B. ASNOT, R. GALVEZ, P. DEMOLDER

12_AI & INTELLECTUAL PROPERTY　　**15**
28.02.2025 | J. CABAY, J. VANHERPE

BLOCK 3
AI IN PRACTICE

13_IMPLEMENTING AN AI PROJECT IN MY ORGANIZATION　　**16**
07.03.2025 | K. FRANÇOISSE, A. BEECKMAN

14_AI CONTRACTING　　**16**
14.03.2025 | T. VAN CANNEYT, L. VANDERDONCKT

15_APPLICATIONS FOR LAWYERS　　**17**
21.03.2025 | E. DE HERDT, P. DERU, LE. HOOGVLIET, N. DEL RIO

16_CODING FOR LAWYERS　　**17**
28.03.2025 | T. CALDERS

17_BLOCKCHAIN (AND DIGITAL CURRENCIES)　　**18**
11.04.2025 | D. DOBBELAERE, F. DUBOIS

18_SMART CONTRACTS　　**18**
18.04.2025 | D. DOBBELAERE, F. DUBOIS

19_ECONOMIC REGULATION AND COMPETITION POLICY IN THE METAVERSE　　**19**
25.04.2025 | Y. DOKER, C. FISCHER, F. DE ABREU DUARTE

BLOCK 4
VERTICAL APPROACH: INDUSTRY, SECTORS AND PROFESSIONS

20_MOBILITY AND AI　　**19**
09.05.2025 | F. JACQUES, N. ZURKINDEN

21_HEALTHCARE AND LIFE SCIENCES　　**20**
16.05.2025 | R. ALDERWEIRELDT, G. BRIGANTI, T. HELLEPUTTE

22_FINANCE AND AI　　**20**
23.05.2025 | A. FRIMOUT, M. FEYS, C. RUTJES

23_STANDARDIZATION AND AI　　**21**
06.06.2025 | J. HOEDEMAEKERS

24_LEGAL SERVICES　　**21**
13.06.2025 | M. EVRARD, G. LEWKOWICZ, J. DUTORDOIR, A. DYEVRE, L. GROZDANOVSKI

FOREWORD

At the start of the new academic year (2024-2025), we can draw the following lessons from previous years:

> It is fair to say that we were ahead of our time when we launched our first course on law and artificial intelligence back in 2017, long before the buzz around AI. Today, everyone is talking about this issue, which has the potential to radically transform our society.

> With the emergence of AI chatbots and AI-generated inventions, for example, there can be no doubt that our course programme will go on developing at lightning speed. Furthermore, Europe is determined to play a leading role in the regulation of AI, which is why we have added no fewer than six new modules to our Executive Master programme (see the new programme opposite).

> While distance learning works perfectly well and indeed allows students from around the world to follow our courses, nothing can replace in-person contact with lecturers/teaching staff and fellow participants. Therefore, our advice to all those who can manage it is to come to Brussels for classroom learning – it will be worth your while!

🌐 **www.bsc-brussels.eu**

PHILIPPE LAMBRECHT
President of the BSC
Special Advisor VBO FEB

CHARLES GHEUR
CEO of the BSC
Advisor for Minister-President
of the Federation Wallonia-Brussels

NICOLAS PETIT
Head of Department
European University Institute

AMBITION OF
THE PROGRAMME

LEGAL, POLITICAL AND ETHICAL CHALLENGES

The 'digitalization' of our lives poses a real challenge for the law, given that the rules currently in force may turn out to be unsuitable or insufficient to cope with this new reality.

This could have an impact on all aspects of the law, including liability law (civil/criminal, contractual/non-contractual), intellectual property, trade secrets, competition, consumer protection, privacy protection, insurance law and judicial law. Sooner or later, the changes brought about by AI will affect every single area.

The aim of this programme is to help legal advisers and public policymakers better understand these changes, anticipate them and guide them where appropriate.

MULTIDISCIPLINARY TRAINING (BOTH LEGAL AND TECHNICAL)

To grasp AI's impact on our society, it is worth learning about the technical aspects as well: understanding how an algorithm works, getting to grips with IT jargon, understanding what is meant by 'deep learning', 'neural network', and so on. This is also about teaching legal advisers about technology. Legal advisers and policymakers need to have a working understanding of technological concepts in order to provide better counsel to their clients, companies or public authorities.

With this in mind, the courses are run by both legal advisers and technical experts. The technical experts use concrete, understandable language to shed light on changes in our society and the huge potential of AI and cognitive technologies.

Special emphasis is placed on sectors where AI is growing the most at the moment: mobility, finance, healthcare and legal services.

ADMISSION REQUIREMENTS

EDUCATION

All applicants must hold a first cycle of higher education diploma in Law, Economics or Management Science. Alternatively, applicants may have completed two years of higher education with 3 years of relevant professional experience in a field related to law and digital technology.

LANGUAGE SKILLS

A working knowledge of English is required (Council of Europe, Independent User, scale B2).

VISA REQUIREMENTS

Participants must hold a valid visa when they attend the programme at the Brussels School of Competition.

Non-EU foreign students may have to provide a copy of their visa during the application process. Relevant information may be found on the website of the Ministry for Foreign Affairs:

🌐 **http://diplomatie.belgium.be/en/services/travel_to_belgium/studying_in_belgium**

No visa is required for distance learning classes.

FEES

* fees include the programme modules, catering and course materials only.

The tuition fee is **€3.600** * for the entire course (**24 modules**).

The fee for 12 modules is 2.400€. The fee for a separate module is €250.

Students interested in spreading their attendance over 2 years should mention it at the beginning of the application process. The Board may then allow the programme to be spread over a **maximum of two years**. Students who want to spread the programme over **two years** will be requested to pay a **€250** fee per additional year. This fee covers administrative costs.

The course fees are due before registration deadlines.

REGISTRATION

Executive Master applicants must submit their application no later than **November 29, 2024.** The registration form can be filled directly from the Brussels School of Competition website:

🌐 **bsc-brussels.eu/artificial-intelligence/how-to-apply/**

As a rule, tuition fees must be paid in full prior to the start of the programme or chosen block/module. Upon receipt of payment, the student's BSC account will be activated and registration will be complete.

The programme is geared towards the requirements of working professionals. Participants may decide to follow only part of the programme, opting for a limited range of modules which correspond to their main areas of interest. **Students attending the programme, or part of it, are entitled to continuing professional development (CPD) points from the relevant authorities.**

ORGANISATION

TIMETABLE

The Executive Master in Law & AI covers a full academic year, starting on 6 December 2024 and ending on 13 June 2025. The courses are organised on Friday mornings via Zoom or at the premises of the Sparks Meeting Brussels. The Executive Master is divided into **four blocks of 24 modules**. Each module takes place on Friday mornings from **9.30 a.m. to 12.30 p.m.** (Brussels Time).

DISTANCE LEARNING CLASSES

All classes can be taken remotely:

> Either the classes are given completely remotely via the "My BSC" platform

> Or they are given in a hybrid format, i.e. in person to students while being simultaneously livestreamed.

ASSESSMENT

*A. Be enrolled for the **full programme** (24 modules)*

*B. Earn a **grade** of at least 10/20 for the **block 1 exam** and **block 2 exam***

C. Earn a grade of at least 10/20 for their end-of-year work

To earn the Executive Master in Law and AI diploma, students must:

1 _ EVALUATION OF BLOCKS 1 AND 2

At the end of block 1 and block 2, students will receive via the "My BSC" learning platform an individual take-home exam to be returned two weeks later (e.g. case studies, multiple choice questions, etc.).

2 _ END-OF-YEAR WORK

During the year, the student will identify a subject of his/her choice related to AI law. The final project can take one of the following two forms.

> If the subject is more theoretical, the student can write a **dissertation** (about 20 pages).

or

> If the subject is more technical and/or practical, the student can choose to give an **oral presentation** in front of a jury (e.g. business case, AI application to be developed by your organisation, Legal Tech project, etc.)

3 _ EXECUTIVE MASTER IN LAW AND AI DIPLOMA

Participants who complete the full programme and pass the assessment examination will receive an Executive Master in Law & AI, as well as 15 credits (see European recognition and the decree of 7 November 2013 defining the higher education landscape and the academic organisation of studies). The certificate is personally significant for the participant's training and education plan, and the credits can be used when pursuing academic training in Europe.

4 _ ATTENDANCE POLICY

In order to maintain a dynamic and effective learning environment, it is essential students attend all scheduled classes, both held in person or online. Although attendance is not mandatory for all classes, students are allowed up to three absences over the course of the programme.

Absences must be justified, whether due to work activities or medical reasons. Attendance is highly recommended.

TEACHING MATERIALS

Students will receive an online documentation pack comprising an outline of their course and relevant regulations, case law and academic literature for each module. Students may be given reading assignments. Students will have access to an online teaching platform where they can upload the exam and consult the materials before and during each course. All the courses will be filmed (video recording available for each session) and uploaded on the student platform.

celebrate !

BLOCK1 AI FUNDAMENTALS | 12 HOURS (2 ECTS)

1_ INITIATION TO ALGORITHM DESIGN

06.12.2024

------------- PROFESSORS -------------

ROALD SIEBERATH
CEO @ AI Black Belt
Venture Partner & Coach
@ LeanSquare

------------- CONTENT -------------

PART 1: AI CONCEPTS
> What is AI? Examples of AI

> Why is AI important? (+Ethics & legal implications)

> How does it work?

> Machine Learning

> "Data Culture"

> A feeling of possibility

PART 2: AI PROJECTS
> What to do? Detecting opportunities

> How to choose an AI project

> Workflow of an AI project

> Case

2_ ETHICS AND AI

13.12.2024

------------- PROFESSORS -------------

LJUPJO GROZDANOVSKI
Associate Professor
University of Liège

MONA CAROLINE CHAMMAS
Lead Partner
Govern & Law

------------- CONTENT -------------

> AI Ethics: an Introduction

> Ethics 101: Why are we talking about Ethics?

> Main ethical theories

> Ethical relativism?

> Ethics of AI

> Disambiguation: Ethics of AI / Machine Ethics

> Ethics and the Law

> Challenges to govern "AI"

> From Ethics to Policy and Law

> An STS approach to AI Ethics

> AI Ethics put to Practice: Policy, Law & Use-cases

> The EU Approach to Ethical AI

> Ethics Guidelines for Trustworthy AI

> Beyond the EU border

> Use Cases

3_ FIRST DIVE IN LAW & AI

18.12.2024

------------- 👔 PROFESSORS -------------

ASHWIN ITTOO
Professor of Information Systems/Business Analytics HEC ULiege

GIOVANNI SARTOR
Professor of Legal Informatics and Legal Theory, ERC-advanced grant CompLaw

------------- 📑 CONTENT -------------

> How to characterize AI: Edge between Science and engineering of making machines

> What is Machine intelligence via learning?

> What is Supervised Learning

> How does Artificial Neural Networks work

> How do you process Deep Learning?

> What are the different uses with Big Data?

> Do you know Natural Language Processing (NLP)?

> Antitrust Cases in AI Science

> The role of Unsupervised Learning in Antitrust Cases

> What are the regulatory issues for cognitive technology and AI?

> General legal options in relation to AI

> AI technology introduction in the Public Sector

> What is good Public Administration

> How does AI intervene in Public Administration efficiency?

4_ PUBLIC POLICY AND REGULATION AROUND THE WORLD

20.12.2024

------------- 👔 PROFESSORS -------------

LUCIA RUSSO
Economist
OECD

ALEXANDER V. MAUGERI
Of Counsel
JONES DAY

BENEDIKT KOHN
Tech lawyer and a member of Taylor Wessing's Technology

------------- 📑 CONTENT -------------

> Regulatory Framework for AI

> What/When/How to regulate ?

> Regulation by whom ?

> The state of Global AI Regulation

> Reliance on existing law vs new legislation

> Utilising existing regulatory body vs AI regulatory body

> EU : the world's first comprehensive AI law ?

> US : Blueprint for an AI Bill of Rights

> NIST's AI Risk Management Framework

> China : Next Generation AI Development Plan / Algorithm Provisions / Deep Synthesis Provisions

> The OECD AI Principles

🎥 **LIVE STREAM CLASSES**

CLASSES WILL BE BROADCAST LIVE.
IN THE EVENT THAT TEACHERS ARE UNABLE TO HOST CLASSES ON-SITE DUE TO UNFORESEEN CIRCUMSTANCES, THE SESSIONS WILL BE CONDUCTED ONLINE. PARTICIPANTS WILL BE NOTIFIED OF ANY CHANGES PROMPTLY.

BLOCK2 THE LAW OF AI | 18 HOURS (3 ECTS)

5_ EU REGULATION: THE AI ACT

10.01.2025

----------- PROFESSORS ------------

MARCO ALMADA
Researcher
European University
Institute

SALVATORE SCALZO
Policy Coordinator
European Commission

TJADE STROBAND
Director for Artificial
Intelligence and
Disinformation Policy
Microsoft's Government
Affairs

----------- CONTENT ------------

> Definitions and technological scope of the regulation

> AI techniques and approaches covered

> Risk-based approach

> New transparency obligations

> Voluntary Codes of Conduct

> Protection of fundamental rights

> Notifying authorities and notified bodies

> CE marking and process

> Data quality and integrity

> Data governance

> Record-keeping

> Human oversight

> Accuracy, robustness andcybersecurity

> Obligations of operators

> Penalties

> Supporting innovation : regulatory sandboxes, support for SME's/start-ups

> The governance structure

6_ LIABILITY

17.01.2025

----------- PROFESSORS ------------

ANDREA BERTOLINI
Assistant
Professor of Law
Scuola Superiore
Sant 'Anna

MARK BEAMISH
Legal Officer
European Commission

JAN DE BRUYNE
Research Expert &
Postdoctoral researcher
at the Centre for IT &
IP Law

----------- CONTENT ------------

PART 1: AI AND LIABILITY

> Definitions matter, Autonomy & Electronic personhood

> EU Directive on liability for defective products

> A law and economic analysis of product liability

> Alternatives: Risk-Management

> Separating the functions of liability rules

> The October 2020 proposal of the EU Parliament

> Case studies

PART 2: LIABILITY DIRECTIVE

> EU safety and liability frameworks

> Principles of the EU safety and liability frameworks

> Main concepts of the directive

> Recent findings

7_ DATA PROTECTION

24.01.2025

-------------- 👤 PROFESSORS --------------

LAURENT DE MUYTER
Antitrust, Telecom and
Data Protection Partner
JONES DAY

ANNA COLAPS
Member of Cabinet
EDPS

-------------- 📑 CONTENT --------------

> Introduction: context of personal data regulation and privacy and its relationship with AI

> Evolving data protection reform causes and correlations

> Data and AI – soft law, getting harder

> GDPR applies to "processing" of "personal data"

> GDPR

> First cases/decisions

8_ AI AND LAW ENFORCEMENT

29.01.2025

-------------- 👤 PROFESSORS --------------

VANESSA FRANSSEN
Associate Professor
ULiège Affiliated Senior
Researcher KU Leuven
Of Counsel Linklaters

FLORIAN JACQUES
Researcher in
ICT Law
UNamur

THIBAULT SCHREPEL
Associate Professor
of Law VU Amsterdam
& Faculty Affiliate
Stanford

-------------- 📑 CONTENT --------------

> Introduction: AI Compliance Tools and Applications

> Detection tools

> Prediction tools for facts

> Prediction tools for legal outcomes

> Automated adjudication tools

> Execution tools

> Conclusions

> References

🎥 LIVE STREAM CLASSES

CLASSES WILL BE BROADCAST LIVE.
IN THE EVENT THAT TEACHERS ARE UNABLE TO
HOST CLASSES ON-SITE DUE TO UNFORESEEN
CIRCUMSTANCES, THE SESSIONS WILL BE
CONDUCTED ONLINE. PARTICIPANTS WILL BE
NOTIFIED OF ANY CHANGES PROMPTLY.

BLOCK2 THE LAW OF AI | 24 HOURS (3 ECTS)

9_ COMPETITION AND CONSUMER PROTECTION

05.02.2025

- - - - - - - - - - - - - PROFESSORS - - - - - - - - - - - - -

FRISO BOSTOEN
Max Weber Fellow
European
University Institute

THOMAS GRAF
Partner
Cleary Gottlieb
LLP

PRZEMYSŁAW PAŁKA
Assistant Professor
Jagiellonian University

- - - - - - - - - - - - CONTENT - - - - - - - - - - - - -

> AI and Data related Competition Policy developments in Europe

> Algorithm, Data and Competition Law

> Background

> Competition law issues raised by AI

> Risk of tacit collusion

> Price discrimination

> How competition agencies might be able to use AI as a tool in their work?

> Market based/tech solutions

> Could or should we use AI systems to solve those problems?

10_ LABOUR MARKET & LABOUR LAW

14.02.2025

- - - - - - - - - - - - - PROFESSORS - - - - - - - - - - - - -

JEROEN FRANSSEN
Senior Labor Market Expert
Agoria

SIMON TAES
PhD Researcher
KU Leuven

- - - - - - - - - - - - CONTENT - - - - - - - - - - - - -

> Current state of the Belgian and European labor markets

> Relevant competences in the context of AI

> How can AI help solve challenges in labor markets?

> Several applications of AI in workplaces

> The rise of Industry 4.0.

> Implications of AI for the employment of workers

> Implications of AI for the labour markets

> Legal and policy recommendations to avoid the "technological unemployment"

> Quality aspects of labour

> Consequences of AI for workers' health and safety

> Right to privacy

> Division of responsibility in the workplaces

> Legal remedies in labour law

> Required safeguards in labo

11_ CYBERSECURITY

21.02.2025

RUBEN ROEX
Privacy & Data protection Lawyer
Time-lex

BART ASNOT
Technical Specialist,
Security & Compliance
Microsoft

RAFAEL GALVEZ
Engineering for Privacy
KULeuven

PEDRO DEMOLDER
IP/IT and data protection lawye
Time-lex

CONTENT

> What is Cybersecurity?
> AI & Cybersecurity: legal perspective
> Case Study
> Legal perspective
> Legal impact of AI
> AI as issue for GDPR compliance
> AI in investigation and prosecution
> AI in court: mind the gap
> AI within Security and Microsoft's approach to security
> Security built on intelligence
> Technical perspective of Cybersecurity
> Security & Privacy by Design

> Cybersecurity & AI
> AI as a tool to defend
> AI as a vulnerable object
> Encryption: hiding training data
> Model integrity
> Entity authentication
> Phishing
> Security is necessary for privacy
> What is privacy for whom?
> The theory of Contextual Integrity
> Privacy & AI
> Federated learning

12_ AI & INTELLECTUAL PROPERTY

28.02.2025

PROFESSORS

JULIEN CABAY
Associate Professor
ULB and ULiège

JOZEFIEN VANHERPE
Assistant Professor
KuLeuven

CONTENT

> What is IP right?
> Trademarks
> Patents
> Copyrights
> Design rights
> What is AI?
> Relevant concepts
> Are AI creations protectable by IPRS?
> Copyrights
> AI generated works
> Authorship
> Patents
> Patentability AI
> AI Co-inventorship
> Ethics and AI
> To a new patent system
> Processing, Mining (and Producing) Data in the EU: A Copyright Perspective
> Data & Copyright
> Data Processing
> Data Mining
> Data Production

BLOCK3 AI IN PRACTICE | 21 HOURS (3 ECTS)

13_ IMPLEMENTING AN AI PROJECT IN MY ORGANIZATION

07.03.2025

------------- PROFESSORS -------------

KEVIN FRANÇOISSE
CEO & Co-Founder
Sagacify

AMAURY BEECKMAN
Senior Machine Learning
Engineer at Sagacify

------------- CONTENT -------------

> Identifying Complex Patterns in AI

> AI Learning Concepts

> AI models: training phase

> AI models: inference phase

> How does AI systems learn ?

> Supervised Machine Learning

> Generative Network

> Discover AI opportunities in Business

> AI in Law Use case examples
  (Contract review automation, Litigation Prediction...)

> Machine Learning development step

> Data labialisation

> The challenges of AI projects

14_ AI CONTRACTING

14.03.2025

------------- PROFESSORS -------------

TIM VAN CANNEYT
Partner, technology
Fieldfisher

LOUIS VANDERDONCKT
Associate, technology
Fieldfisher

------------- CONTENT -------------

This course focusses on the intersection of AI and IT contracting, and provides students with a thorough understanding of the contractual considerations that are at play when developing, procuring, implementing and/or deploying AI systems. The course equips participants with the knowledge and skills required to navigate the legal and practical considerations associated with contracting for AI projects.

> The nature of AI technology development (characteristics and design methodology of AI technology versus conventional software development)

> The complexity of the AI supply chain and foundation models from a contractual point of view

> Unfair terms and 'take-it-or-leave-it' terms

> Model contractual terms

> Practical focus on key contract clauses for AI systems: IP, liability, data protection, governance, etc.

15_ AI APPLICATIONS FOR LAWYERS

21.03.2025

------------- 👤 PROFESSORS -------------

ERIK DE HERDT
Manager Legal &
Regulatory Affairs
Eurofiber Belgium

PASCALINE DERU
Policy Coordinator
European Commission

LENNERT HOOGVLIET
Executive Vice President Sales EMEA
Reveal

NICO DEL RIO
Co-Founder
Knowlex

------------- 🗐 CONTENT -------------

> AI, big data & open data: challenges and opportunities
> Drivers for increasing success AI
> Expert Systems & AI applications in LegalTech
> Machine Learning & Natural Language Processing
> Ethics of Algorithms
> Open legal data
> Open case law
> Legaltech in practice
> Digital transformation
> Tailor-made solutions for your company
> Customized Business Applications
> Document Analysis and review
> Retrieving online information
> Legal Inference Transformation Engine

16_ CODING FOR LAWYERS

📹 28.03.2025

------------- 👤 PROFESSORS -------------

TOON CALDERS
Professor of Computer Science
Universiteit Antwerpen

------------- 🗐 CONTENT -------------

During the lecture you will learn the basic principles of coding:

> Sequence of instructions
> Loops and repetitions
> Conditional execution
> Variables

You will learn these constructions while step by step implementing an algorithm to escape from any maze.

> Exercises on writing small programs.
> Functions as a tool for abstraction
> Manually build a classification system

The lecture will be wrapped up by connecting the new insights you gained into programming and with AI applications such as text classification.

📹 **LIVE STREAM CLASSES**

CLASSES WILL BE BROADCAST LIVE.
IN THE EVENT THAT TEACHERS ARE UNABLE TO
HOST CLASSES ON-SITE DUE TO UNFORESEEN
CIRCUMSTANCES, THE SESSIONS WILL BE
CONDUCTED ONLINE. PARTICIPANTS WILL BE
NOTIFIED OF ANY CHANGES PROMPTLY.

BLOCK3 AI IN PRACTICE | 21 HOURS (3 ECTS)

17_ BLOCKCHAIN AND DIGITAL CURRENCIES

11.04.2025

------------- PROFESSORS -------------

DEVEN DOBBELAERE
IP/IT/Data Protection &
Privacy Lawyer
CMS

FLORENT DUBOIS
Managing Director
Cryptodevise

------------- CONTENT -------------

PART 1

> Blockchain History

> What's a Blockchain?

> Where does it comes from?

> How does a Blockchain works ?

> Blockchain transaction

> Blockchain Principles

> Blockchain Concepts

> Paying with cryptocurrencies

> Using Bitcoin

> Hard wallet

> Blockchain projects

PART 2

> Exploring some blockchain concepts
  - Crypto-assets: NFTs
  - Smart Contracts

> Blockchain and law
  - NFTs and legal implications
  - Liability
  - Blockchain and Data Protection

> Blockchain regulation

18_ SMART CONTRACTS

18.04.2025

------------- PROFESSORS -------------

DEVEN DOBBELAERE
IP/IT/Data Protection &
Privacy Lawyer
CMS

FLORENT DUBOIS
Managing Director
Cryptodevise

------------- CONTENT -------------

> Building our own cryptocurrency with a smart contract

> Ethereum platform and smarts contracts

> Introduction on Smart Contracts

> What are Smart Contracts?

> Pros and Cons

> Smart Contracts in different domains

> Legal Smart Contracts

> The Future

19_ ECONOMIC REGULATION AND COMPETITION POLICY IN THE METAVERSE

25.04.2025

---- PROFESSORS ----

YELIZ DOKER
PhD Researcher
European University
Institute

CYRIL FISCHER
Digital Law and
Data Protection Lawyer
Stibbe

**FRANCISCO
DE ABREU DUARTE**
PhD Researcher
European University
Institute

---- CONTENT ----

> Description of the 'Metaverse': Essential Components, Modalities

> History

> Key technologies and concepts

> Interoperability issues in the Metaverse

> Web3 and its competitive dynamics

> Enforcement new regulation around Healthcare, Online identity…

> Legal Framework: GDPR, DSA, DMA, Intellectual Rights, Competition Law, International Private Law, Contracts

> Technical Stakes: Cybersecurity, Access, Metaverse Competition Agency

> Ethical and Societal Stakes: Online Harassment, Fake News, Eco-Transition, Radicalization

20_ MOBILITY AND AI

09.05.2025

---- PROFESSORS ----

FLORIAN JACQUES
Researcher in ICT
Law at UNamur

NADINE ZURKINDEN
Researcher
University of Zurich

---- CONTENT ----

> Introduction to Smart Mobility

> Artificial Intelligence in the automotive sector

> Analysing the impact of algorithms in the automotive industry and on insurance company

> EU Regulatory approach to AI: Critical issues for our industry
  - Commission's White Paper on AI
  - European Parliament Draft Reports on AI related aspects

> Conclusion

LIVE STREAM CLASSES

CLASSES WILL BE BROADCAST LIVE.
IN THE EVENT THAT TEACHERS ARE UNABLE TO
HOST CLASSES ON-SITE DUE TO UNFORESEEN
CIRCUMSTANCES, THE SESSIONS WILL BE
CONDUCTED ONLINE. PARTICIPANTS WILL BE
NOTIFIED OF ANY CHANGES PROMPTLY.

BLOCK4 INDUSTRY, SECTORS AND PROFESSIONS

21_ HEALTHCARE AND LIFE SCIENCES

16.05.2025

- - - - - - - - - - - - - PROFESSORS - - - - - - - - - - - - -

ROMAIN ALDERWEIRELDT
Senior Associate
CMS

GIOVANNI BRIGANTI
Associate Professor of
Artificial Intelligence in Health
University of Mons

THIBAULT HELLEPUTTE
CEO
DNAlytics

- - - - - - - - - - - - - CONTENT - - - - - - - - - - - - -

> AI in Healthcare : principles, applications (augmented medicine), challenges and future directions

> Identifying health issues through the analysis of digital data

> Analysing medical images

> Analysing genomics in the context of the advent of personalized medicine

> Ethics in data

> AI use cases in healthcare

22_ FINANCE AND AI

23.05.2025

- - - - - - - - - - - - - PROFESSORS - - - - - - - - - - - - -

ALEXANDER FRIMOUT
Business Development
Faktion

MAGALI FEYS
IP, IT and Data
Protection Lawyer AContrario

CASPER RUTJES
Chief Technology Officer
Amsterdam Data Collective

- - - - - - - - - - - - - CONTENT - - - - - - - - - - - - -

> General introduction: AI as a Technology

> Machine Learning Landscape

> What has changed?

> Three types of Machine Learning

> General Legal & Ethical principles & considerations

> Trustworthy AI

> AI Adoption in Finance: Where are we today?

> Use Cases:

> AI Powered Predictive Analytics

> Hyper-personalization

> Intelligent Process Optimizations (Back-Office)

> How and where should FSI's start? Tips, Tricks and advice on how to start with AI

15 HOURS (2 ECTS)

23_ STANDARDIZATION AND AI

06.06.2025

------------- 👤 PROFESSORS -------------

JELLE HOEDEMAEKERS
Expert in Regulation and
Standardization Agoria

------------- 📇 CONTENT -------------

This comprehensive course is designed to provide you with a solid understanding of the crucial role that standardisation plays in the AI landscape.

During this course we will address these topics:

> General introduction to Standardisation
>> - Origins
>> - Standards development organisations
>> - Processes
>> - Participation modes

> Standardisation of AI
>> - International
>> - European

> Standardisation policy & strategy
>> - The new legislative framework
>> - EU standardisation strategy

> The link between the AI Act and Standardisation
>> - Standardisation request

> Interactive exercises

🎥 LIVE STREAM CLASSES

CLASSES WILL BE BROADCAST LIVE.
IN THE EVENT THAT TEACHERS ARE UNABLE TO HOST CLASSES ON-SITE DUE TO UNFORESEEN CIRCUMSTANCES, THE SESSIONS WILL BE CONDUCTED ONLINE. PARTICIPANTS WILL BE NOTIFIED OF ANY CHANGES PROMPTLY.

24_ LEGAL SERVICES

13.06.2025

------------- 👤 PROFESSORS -------------

ARTHUR DYEVRE
Associate Professor
KULeuven

MAXIME EVRARD
Assistant in
administrative law
University of Hasselt

JÉRÔME DE COOMAN
Teaching assistant
University of Liege

GREGORY LEWKOWICZ
Professor
University of Brussels

JULIE DUTORDOIR
Director General
IBJ

------------- 📇 CONTENT -------------

> AI modernising the legal profession

> Crucial challenges for legal services and Legal professions

> The need for a strategic vision of lawyering

> Lawyers need Strategic Analysis

> AI and (more globally) Tech as a challenge and a solution for lawyers

> How does Tech change lawyers' tasks?

> Changing the way lawyers work

> Legal Talent Management

> The European context of LegalTech

> Pseudonymisation, anonymisation and differential privacy

> Online publication of machine-readable court records: a milestone in the transformation of the law

> AI and negotiation/mediation

> AI and arbitration

> AI through the eyes of a company lawyer

CONTACT US

GENERAL CONTACT

Brussels School of Competition Foundation
Rue des Sols 8 | B-1000 Brussels
Visitors: Silversquare, Cantersteen 47, 1000 Bruxelles
✉ info@bsc.brussels

VENUE

The course will take place on the premises of
Sparks Brussels
Rue Ravenstein 60, 1000 Bruxelles

More information about our location:
www.bsc-brussels.eu

The Brussels School of Competition does not provide accommodation services. Relevant information may be found on the website of the City of Brussels:
www.brussels.info

BOARD OF THE BSC

THOMAS NGUYEN
Manager of the BSC

✉
thomas.nguyen@bsc.brussels

RODRIGUE DE WILDE
Executive Assistant

✉
rodrigue.dewilde@bsc.brussels

CHARLES GHEUR
Advisor to the Walloon
Minister for Economy
and Employment

✉
charles.gheur@bsc.brussels

NICOLAS PETIT
Head of Department
European University
Institute

✉
nicolas.petit@eui.eu

PHILIPPE LAMBRECHT
President of the BSC
Special Advisor VBO FEB

✉
pl@vbo-feb.be

WHAT THEY SAY ABOUT US ?

This program addresses all essential legal and ethical aspects of AI but goes even beyond these aspects and provides a great range of diverse perspectives from the mere technical to the high level political and economical developments of AI. The program encourages you to think in an innovative, diverse and critical manner to how our future should look like [...]. I would definitely recommend this program to all lawyers eager to remain up to date in terms of what our future world might look!

LAURENCE EISWEILER - Legal Director at Pfizer

The diversity of the teaching profiles is a real asset of this program (lawyers, engineers, academics, people from the industry...). [...] The BSC offers a program adapted to those who work with an exam formula that encourages deepening of the subject and critical thinking. I have enjoyed taking this program and I highly recommend it.

LAURENCE VAN MEERHAEGHE - Legal Counsel at Febelfin

Participating in this program is challenging, but the reward is even greater. This is aimed at professionals who are not technicians, but need to understand in a transversal manner the ethical and legal implications of the use of AI in our society and in their respective industries [-]The quality of the lecturers is very high, all having a highly specialized academic and professional level in the subject I can only strongly recommend!

SOPHYAN BELATARIS - Compliance Manager & AMLCO at Bancontact Payconiq

The Executive Master in Law & AI encompasses an interdisciplinary curriculum that explores the intersection of law, ethics, and AI. It combines both essential aspects of the legal and ethical AI spectrum and more sophisticated perspectives of the technical and economic developments in AI ...] AI enthusiasts or lawyers eager to expand further their knowledge and remain current in this field should definitely participate in this program.

ANGELIKI TILIGADI - Member of Support Pool of Experts at the European Data Protection Board

The Executive Master in AI and Law is an excellent programme that allows you to fast-track your understanding of AI, improve your advising skills in the area of AI and identify opportunities to incorporate AI-enabled solutions in your profession. The programme journey offers a broad curriculum that builds a bridge between the technical; legal & ethical aspects and different sectoral applications, creating learning opportunities for participants from different professional backgrounds. The combination of academic professors and experienced executives allows you to learn from the best in the field, in the class room setting or the comfort of your (home) office."

CHANTAL VETS - Deputy Chief Privacy Officer at Medtronic

BSC