When can copyright content be used to train AI?

Who owns the output of generative AI?

How does the EU AI Act interact with IP rights?

Master 2

Artificial Intelligence, Digital Technologies and Intellectual Property

How do licensing models apply to AI assets?

How do copyright, trademarks and patents apply to AI?

Center for International
Intellectual Property Studies | CEIPI
University of Strasbourg

Introduction

The latest generations of AI tools, particularly generative models, are driving profound transformations across all legal fields. Intellectual Property is one of the primary areas affected by these changes. However, the impact of AI applications in the field of IP requires a deep understanding not only of the various legal frameworks governing digital and algorithmic technologies but also of the technical specifics of AI components.

This Master's program addresses an urgent need for specialized legal expertise in intellectual property as it intersects with digital technologies and AI. Building on the success of the University Diploma "AI and IP" created at CEIPI in 2019, this program aims to meet the growing demand from students and industry professionals. It offers participants the opportunity to explore all the legal dimensions necessary to master the complex interactions between AI and IP.

The course is delivered in a blended format, with some modules taking place on site in Strasbourg and others online. Group work, on-site workshops, and case studies are integrated throughout the year.

Upon completion of the course, participants will acquire not only an in-depth knowledge of the relationship between AI and IP law but also an understanding of the technical and computational aspects of AI.

Curriculum

This Master's program offers a multidisciplinary and practical approach to the relationship between intellectual property, artificial intelligence, and digital technologies.

Participants engage throughout the curriculum with several key learning components, each addressing a different facet of the field.

An introductory technical module enables participants to explore the primary AI tools, demystifying their workings through concrete examples and practical experimentation, notably during a hackathon focused on group project development.

One module covers cross-disciplinary issues (sociology, philosophy, economics, fundamental rights, etc.), providing essential context for understanding AI within its social environment and grasping its broader implications. Another module is dedicated to the development of European data and AI law (Data Act, GDPR, EU AI Act, etc.).

Specialized modules thoroughly address various data-related and intellectual property rights (data protection, trade secrets, copyright and neighboring rights, trademarks, designs and models, patent law), as well as key strategies for the development and implementation of AI applications.

All courses aim to provide practical training, featuring numerous workshops and applied exercises.

The programme is composed of 9 modules organized in 4 teaching units delivered throughout the year, with 3 sessions taking place on-site in Strasbourg and 6 online.

Semester 1

UNIT 1 Introduction to Machine Learning and Socio-Economic perspectives of AI

Introduction to Machine Learning and AI

- Understand the fundamentals of AI and Machine learning,
- Develop fundamental coding skills in Python for AI/ML.
- Gain hands-on problem-solving experience through practical coding examples and an AI Hackathon.

7-10 October 2026
On-site
29 October 2026 (Hackathon)
Online

Socio-economic Perspectives on AI and Emerging Digital Technologies

- Understand philosophical, sociological and economic frameworks for analyzing AI.
- Critically assess the social and environmental impact of digital technologies.

18-21 November 2026
Online

UNIT 2 AI and Emerging Digital Technologies: Legal and Data Perspectives

The Legal Landscape of AI and Emerging Digital Technologies

- Gain a precise overview of the EU legal landscape regulating data and AI
- Identify and explore fundamental rights, competition law, and penal law in the context of AI.
- Understand the interplay between personality rights, deepfakes in the EU.

16-19 December 2026
Online

Data and Algorithmic Processing

- Master personal data rights and the regulation of data flow in the EU.
- Gain a precise understanding of access to protected data in the EU for text and data mining.
- Understand *sui generis* database right (SGDR) and its application in the AI pipeline.

20-23 January 2027
Online

Semester 2

UNIT 3 Intellectual Property Rights and AI

Copyright, AI and Generated Content

- Understand copyright in the AI context, including issues of authorship and generated content.
- Analyze the responsibility of platforms and software copyright protection.

17-20 February 2027
On-site

Designs, Trademarks and other Distinctive Signs

- Examine design law and trademark issues specific to AI.
- Explore automated enforcement and institutional roles.
- Gain an understanding of the impact of AI on plant variety protection.

24-27 March 2027
Online

Patents and Computer Implemented Inventions

- Map emerging patent strategies for AI-related inventions.
- Analyze inventorship and patentability issues for AI applications and AI-generated contents.
- Gain an international comparative perspective on patenting AI.
- Practice claim drafting and enforcement challenges.

21-24 April 2027
Online

UNIT 4 From Ideas to Market: Valuing AI

Trade Secrets and Emerging Digital Technologies

- Acquire technical and contractual strategies for protecting trade secrets.
- Learn to license trade secrets effectively, with special emphasis on AI/ML applications.

27-29 May 2027
Online

Licensing and Commercialization of AI

- Develop strategies for licensing training datasets, AI components, and integrated ML solutions.
- Explore open innovation perspectives, valuation and commercialization of AI projects

16-19 June 2027
On-site

UNIT 5 Dissertation

Submission deadline: 8 July 2027

Educational Methodology

This program relies on an educational approach designed to **equip students with the critical, collaborative, and creative skills** necessary for the legal, social, and ethical analysis of AI and emerging technologies.

Throughout the training, students are encouraged to work on **concrete projects** (simulations, case studies, hackathons) that foster **constructive exchanges, co-creation of solutions, and in-depth reflection** on the complex issues surrounding AI, data protection, and intellectual property rights. This approach also encourages students to pursue independent work beyond the classroom.

This approach integrates the **use of technical tools and media resources** to analyse legal and regulatory standards active in the sector, thus preparing future professionals to **meet the challenges of a constantly evolving environment**.

The curriculum emphasizes active, communicative, and collaborative teaching methods. Various educational activities incorporate techniques such as **collective intelligence, design thinking, and prospective analysis** (“futures studies”).

The programme’s philosophy is grounded in core values such as **non-violent communication, collaborative work, openness to diverse perspectives**, always encouraging each student to engage personally with the curriculum. This approach values the full spectrum of learning abilities throughout the entire educational process, from classroom discussions and workshops to assessment.

Discover 3 examples of activities

Example 1: Structured Debates on AI governance and societal impact

In this activity, **students engage in structured debates, centred on controversial propositions related to artificial intelligence.** Working in pairs, teams are assigned a position – either defending or opposing a given statement – and must develop clear, and persuasive arguments. The exercise emphasizes not only the strength of reasoning but also rhetorical clarity, strategic argument selection, and the ability to respond to opposing viewpoints. Through this dynamic format, **participants engage constructively with complex and contested issues surrounding AI regulation, innovation, and societal impact, while sharpening their analytical thinking, advocacy skills.**

Example 2: Appraisal of AI generated licenses

How reliable and legally sound are these automatically generated texts? Do they truly reflect ethical and practical considerations? And how do human evaluations align—or clash—with the assessments given by AI systems? This workshop addresses these issues by **bringing together participants to analyze and rank AI-generated clauses**. By comparing the output of LLMs with human judgment, participants gain **deeper insight into potential blind spots in AI-driven drafting and develop a shared understanding of when and how human intervention remains indispensable**—especially for ensuring that complex ethical, legal, and professional standards are upheld.

Example 3: Evaluation of human authorship in AI-driven outputs

In this workshop, students collaboratively explore a number of tasks associated with graphical content production, including prompt engineering, iterative image manipulation, output selection, and combining outputs from multiple AI models. Groups take part in **hands on experiments and critically assess the ability to imprint "human personality" on AI-generated outputs.** The workshop **encourages reflection on authorship, originality, and the evolving boundaries of creative ownership.**

Speakers

Diletta Abbonato (Postdoctoral Researcher, University of Turin) | **Marco Almada** (Postdoctoral Researcher, Université de Luxembourg) | **Mehdi Arfaoui** (Researcher at Laboratoire d'Innovation Numérique de la CNIL and Associate Researcher at Centre d'études des mouvements sociaux) | **Sarah Artola** (Legal Counsel in the CNIL's Artificial Intelligence Department) | **Adrien Aulas** (Partner, Lighten Avocats) | **Rahul Bhartiya** (AI Coordinator, EUIPO) | **Stefano Bianchini** (Lecturer at the University of Strasbourg and researcher at BETA) | **Luca Bertuzzi** (Chief AI Correspondent at MLex) | **Larissa Bolte** (PhD Candidate and Research Associate, University of Bonn) | **Enrico Bonadio** (Professor of Intellectual Property Law, City St George's University of London) | **Julien Cabay** (Professor, Université Libre de Bruxelles and Université de Liège) | **Magali Contardi** (Postdoctoral Research Fellow, Sant'Anna School of Advanced Studies) | **Jean-Marc Deltorn** (Professor, CEIPI, Université de Strasbourg) | **Ella De Noyette** (PhD Researcher, KU Leuven) | **Estelle Derclaye** (Professor, University of Nottingham) | **Luc Desaunettes** (Researcher, Université de Namur) | **Lisa Diependaele** (Project Adviser & Scientific Officer, European Research Council – European Commission) | **Plamen Dinev** (Associate Professor, Royal Holloway Goldsmiths, University of London) | **Mélanie Dulong de Rosnay** (Research Professor, CNRS) | **Simon Geiregat** (Assistant Professor of Intellectual Property Law, Ghent IP Law Institute) | **Domenico Golzio** (Former Director, European Patent Office) | **Inge Graef** (Associate Professor of Competition Law, Tilburg University) | **Andres Guadamuz** (Professor, Sussex University) | **John Hull** (Visiting Professor, King's College London; Legal Consultant, Impact IP) | **Natalia Kapyrina** (Researcher, CEIPI, Université de Strasbourg) | **Richard Kennedy** (Partner & Patent Representative, Venner Shipley) | **Mihalis Kritikos** (Policy Analyst on AI Ethics, European Commission & Brussels School of Governance) | **Jean Lassègue** (Research Director, EHESS, CNRS) | **Thomas Lederer** (Patent Representative, Partner, ABP Rechtsanwaltgesellschaft) | **Clément Le Ludec** (Researcher, Télécom Paris) | **Mathias Le Masne de Chermont** (Partner, Lighten Avocats) | **Alban Leveau-Vallier** (Postdoctoral Researcher, Université Sorbonne Nouvelle) | **David Marguerit** (PhD Candidate, LISER) | **Marta Maroni** (Assistant Professor of Law and Digital Democracy, Maastricht University) | **Ángela Martínez López** (Plant Variety Rights IP Specialist) | **Frédéric Marty** (Researcher, CNRS) | **Tobias McKenney** (Copyright Counsel, Google) | **Kelly Merkel (**In-House Lawyer - Intellectual Property, Eaton, Ireland) | **Elodie Migliore** (PhD Candidate, CEIPI, Université de Strasbourg) | **Carlos Muñoz Ferrandis** (Founder & CEO, Alinia) | **Maja Nišević** (Postdoctoral Assistant, KU Leuven – CiTiP) | **Jonathan Osha** (Founding Partner, Osha Bergman Watanabe & Burton LLP) | **Beatrice Panattoni** (Postdoctoral Researcher, University of Luxembourg) | **Clément Perarnaud** (Researcher, Brussels School of Governance) | **João Pedro Quintais** (Associate Professor, University of Amsterdam) | **Eleonora Rosati** (Professor, University of Stockholm; Visiting Professor, Queen Mary University of London) | **Martin Senftleben** (Professor and Director, IViR) | **Noam Shemtov** (Professor, Queen Mary University of London) | **Giovanni Zaccaroni** (Associate Professor of EU Law, University of Milan-Bicocca) | **Aleš Završnik** (Professor, University of Ljubljana) | **Herbert Zech** (Professor, Humboldt University & Weizenbaum Institut)

Practical information

Language:
This Master program is proposed in English. A sufficient level of proficiency in English (B2) is expected.

Teaching modalities:
The programme requires in-person attendance at CEIPI in Strasbourg during three sessions. The remainder of the programme is delivered via distance learning (online), according to the schedule provided in the “Curriculum” section above. Attendance, sustained independent work outside the classroom, and active participation in all classes and all related training activities are mandatory.

Examination:
Each of the four units will be assessed through at least one examination. Unit 5 consists in a dissertation.

Fees:
Continuing education (including university fees): € 6 200

Website and contact:
For more information, see **the dedicated page** on the university website.

For questions related to the educational program and registration please contact:
Email: m2_aidtip_admin@ceipi.edu
Phone: +33 3 68 85 80 27

Direction:
Jean-Marc Deltorn

Scientific responsibility:
Jean-Marc Deltorn & Elodie Migliore

Pedagogical design & innovation:
Maëlle Sengel

Administrative coordination:
Alexandra Aubertin