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overcoming the security and legal challenges of the information society

master of law (MLaw) in legal issues, crime and security of information technologies

GENERAL OUTLINE

Objectives

Information technologies are now an integral part of our day-to-day lives and changing all the time; understanding their implications therefore requires a multidisciplinary approach. The Master of Law (MLaw) in Legal Issues, Crime and Security of Information Technologies (DCS), offered jointly by the Faculty of Law, Criminal Justice and Public Administration (FDCA) and the Faculty of Business and Economics (HEC Lausanne), uses a cross-disciplinary approach to offer a cutting-edge programme aimed at understanding the problems raised by information technologies in legal, IT and criminal terms.

Career prospects

At a time when digitisation is taking over every sector, the range of skills acquired through the Master of Law (MLaw) in Legal Issues, Crime and Security of Information Technologies is an asset in the job market and responds to a clearly identified need among private companies and administrative bodies.

Our alumni are regularly offered employment in a variety of sectors, including forensic services, data protection, audit firms, IT security businesses, administration, the judiciary, law firms, scientific research, and even communications or diplomacy. In addition, the Master of Law (MLaw) in Legal Issues, Crime and Security of Information Technologies provides access to a range of postgraduate courses, including for training as a barrister or notary in certain cases.

Information about career prospects:
unil.ch/perspectives/unil-et-apres

GENERAL INFORMATION

Organisers

Faculty of Law, Criminal Justice, and Public Administration (School of Law and School of Criminal Justice) & Faculty of Business and Economics (HEC Lausanne)
www.unil.ch/dcs

Degree awarded

Master of Law (MLaw) in Legal Issues, Crime and Security of Information Technologies. The Master's degree may be accompanied by a subject area according to previous studies (Juridical Sciences, Intelligence and Forensic Science, Information Management).

ECTS credits

120

Duration

4 to 6 semesters

Teaching language

French. Recommended level: C1.

Contact

Secretariat for the programme:
Tel. +41 (0)21 692 27 60
Email: dcs@unil.ch

More information

www.unil.ch/dcs

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EDUCATIONAL CONTENT

Description
The DCS is a comprehensive course that helps you gain a detailed understanding of the issues raised by information technologies in legal, IT, economic and criminal terms, and to develop critical thinking skills and the ability to synthesise perspectives from different disciplines on questions relating to information and communications technologies.

The first module consists of 17 obligatory classes. For the second module, you can choose your classes from the various study plans available. The third and final module consists of a dissertation of around 30 pages.

The maximum programme duration is 6 semesters. In case of part-time studies the maximum duration is 8-10 semesters.

Depending on your previous bachelor's course and the study plan you choose, you may graduate in a particular subject area:
- Juridical Sciences (for students with a Bachelor of Law degree)
- Intelligence and Forensic Science (for students holding a Bachelor of Science in Forensic Science)
- Information Management (for students holding a Bachelor of Science in Economics or a Bachelor of Science in Computer Science).

SYLLABUS

Module 1
Compulsory courses
- Analysis of criminality and digital transformations
- Compliance
- Cybercrime and Cyberpower
- Telecommunications Law
- IT Criminal Law
- Legal Issues in the Digital Era
- IT and Networks
- Criminal Investigation in the IT Environment, Case Presentation
- Introduction to Programming (Python)
- Introduction to Legal Issues, Crime and Security of Information Technologies
- Freedom of Information and Internet Governance
- Digitisation and Identities in the Information Society
- Object Oriented Programming (Python)
- Intellectual Property and the Internet
- Data Protection
- Digital Traces and Investigations
- Data Visualisation

65 ECTS credits

Module 2
Compulsory courses according to the chosen subject area
- Advanced Programming
- Operational Criminal Analysis
- Analysis of Security and Intelligence Data (incl. practical work)
- Economic Analysis of the Law
- Auditing Information Management Systems
- IT Audit and Governance
- Biometrics
- Blockchain and Crypto Economy
- Business and IS Design
- Cloud and Advanced Analytics
- Crime on the Internet
- Cybersecurity and Economic Intelligence
- Data Mining and Machine Learning
- Data Science in Business Analytics
- Dating and Chronology
- Digital Government Transformation
- Digital Strategies and Innovation
- Digital Strategies
- Digitalization and Taxation
- Aviation Law
- Commercial Law
- Swiss and European Competition Law
- Consumer Law
- Advanced Law of Obligations
- Labour Law
- Economic Criminal Law/Administrative Criminal Law
- Economic Growth
- International Judicial Cooperation in Criminal Cases
- Epistemology, Crime and Criminology
- Judicial Errors
- Finance, Law and Digitalization
- Risk Management (MSc)
- Information Security & Privacy
- Innovation Law
- International Commercial Arbitration
- Internet Investigations
- Introduction to the Interpretation of the Scientific Clue
- Digital Investigation: Mobile Devices and Smartphone Apps (+ practical work)
- Digital Justice
- Judicial Investigation
- Appraisals, Mandates and Reports
- Management of AI in Organizations
- Civil and Commercial Mediation
- Microeconomics & Game Theory
- Alternative Dispute Resolution Methods in Criminal Cases
- Network and System Forensics
- Neurocriminology
- Organisation and Operation of the Judicial System
- Management Tools and the Digitisation of Justice
- Policing
- Criminal Policy
- General Principles of Private Law
- Civil Procedure
- Administrative Procedure and Courts
- Criminal Procedure/Administrative Criminal Law
- Advanced Programming: Graphic Interface (Python)
- Intellectual Property
- Information Research
- Risk Management
- Block course "Digitisation Week"
- Sport and Deviant Behaviour
- Technical and Economic Aspects of Cybersecurity"
- Terrorism

40 ECTS credits

Module 3
- Interdisciplinary Master's thesis

15 ECTS credits

PRACTICAL INFORMATION

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