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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:
www.unil.ch/perspectives/esc

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: wwwwdcs@unil.ch

More information

www.unil.ch/dcs



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
- Digitization 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

- Operational Criminal Analysis
- Analysis of Security and Intelligence Data
- Analysis of Criminality on the Internet

- Analysis of Economic and Organized Crime
- Economic Analysis of the Law
- Auditing Information Management Systems
- External Auditing
- Big-Scale Analytics
- Biometrics
- Blockchain and Distributed Ledgers
- Economic and Organized Crime
- Criminology and Security
- Cybersecurity and Economic Intelligence
- Data Mining and Machine Learning
- Data Science in Business Analytics
- Dating and Chronology
- Digital Government Transformation
- Digital Innovation
- Digital Strategies
- 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
- Judicial Errors
- Information Security & Privacy
- Innovation Law
- International Commercial Arbitration
- Introduction to the Interpretation of the Scientific Clue
- Investigation and Monitoring on the Internet
- Digital Investigation: Mobile Devices and Smartphone Apps
- IS Architecture and Design
- Judicial Investigation
- Appraisals, Mandates and Reports
- Civil and Commercial Mediation
- Microeconomics & Game Theory
- Alternative Dispute Resolution Methods in Criminal Cases
- Management Tools and the Digitization 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)
- Programming
- Intellectual Property
- Information Research
- Risk Management (EPFL)
- Risk Management (MCCF, EPFL)
- Block course "Digitisation Week"
- Sport, Criminality and Integrity
- Technical and Economical aspects of Cybersecurity"
- Terrorism

40 ECTS credits

Module 3

- Interdisciplinary Master's thesis

15 ECTS credits

PRACTICAL INFORMATION

Admission requirements

The candidate must be the holder of a Bachelor of Law, a Bachelor of Science in Economics, a Bachelor of Science in Forensic Science awarded by the University of Lausanne or another university degree or academic title judged to be equivalent

Enrolment and final dates

The candidate's application must be submitted to the UNIL Admissions Department before 30th April:
www.unil.ch/immat

Candidates needing a study visa:
28th February.

Start of courses

Mid-September
Academic calendar: www.unil.ch/central/calendar

Part-time Master's degree

Under certain conditions, a Master programme can be followed part-time.
www.unil.ch/formations/master-temps-partiel.

General information on studies, guidance

www.unil.ch/soc

Career prospects

www.unil.ch/perspectives

Accommodation and financial assistance

www.unil.ch/sasme

International

www.unil.ch/international



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