



Master in IT Security (Cybersecurity)

Description

The University Master in IT Security (Cybersecurity) is aimed at university graduates who possess the skills linked to the profession of IT Technical Engineering and who wish to acquire and develop IT and communication technology security skills. This Master is taught with the collaboration of Deloitte Advisory.

Access profile

Degree in Computer Engineering or similar and IT professionals.

Professional opportunities

This University Master qualification trains professionals in keeping with the following profiles, all in great demand: IT security manager, data protection manager, IT security administrator, cybersecurity architect and computer forensics expert, among others. Furthermore, the qualification obtained provides graduates with direct access to the IT Engineering Doctorate Programme, which leads to a PhD, the highest academic degree possible.

Address and contact details

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Objective

Developing skills in IT and communication security.

Direct access

Degree in Engineering, IT technical Engineers, Computer Engineering.

Other qualifications

Any meeting the legal access requirements, at the discretion of the Master Academic Commission.

Structure of the Study Plan

The Master is made up of 4 compulsory modules to be taken over an academic year.

Módulo regulación (1^{er} semestre)

Materias	Créd.
Auditoría y análisis de riesgos	4
Legislación y normativa aplicada a la seguridad informática	4

MÓDULO TECNOLOGÍAS DE SEGURIDAD (1^{er} y 2^º semestre)

Materias	Créd.
Prácticas en análisis forense*,**	5
Prácticas en hacking ético**	5
Ingeniería inversa y arquitecturas seguras*	4
Desarrollo de aplicaciones seguras	4
Inteligencia artificial aplicada a la seguridad	4

MÓDULO SEGURIDAD EN SISTEMAS (1^{er} y 2^º semestre)

Materias	Créd.
Criptografía aplicada y seguridad en software de sistemas*	6
Seguridad en redes*	5
Monitorización y seguridad inalámbrica	4
Seguridad en sistemas e infraestructuras críticas	4
Seguridad en sistemas distribuidos	4

* 1^{er} semestre

** Asignatura impartida por Deloitte Advisory

Materias	Créd.
Trabajo Fin de Máster (2 ^º semestre)	7

Total Créditos: 60 (cada crédito equivale a 25 horas de trabajo del alumno).