

Plan de estudios

El plan de estudios se ha estructurado en un curso con una carga lectiva total de 60 créditos. Los créditos, distribuidos según el tipo de materia, se muestran en la tabla siguiente:

TIPO DE MATERIA	CRÉDITOS
Obligatorias	39
Prácticas externas (obligatorias)	9
Trabajo Fin de Máster	12
Créditos totales	60

The study programme is divided into modules, which are grouped into blocks. The academic year and terms, as well as the teaching guides, can be found at [Modules & teaching staff](#). Modules with more theoretical than practical content are worth 3 ECTS credits, while modules with more practical content are worth 4 ECTS credits. In the current study programme, all modules last for one term.

- Each ECTS credit entails 25 hours of work by the student. Each ECTS credit entails:
- 4 teaching hours (large and small group activities).
- 6 hours of guided activities on the virtual teaching platform.
- The remaining 15 hours per credit are dedicated to independent learning (the percentage of time spent doing tests or exams is included in the overall calculation).

In order to ensure that students progress at an adequate pace and distribute their work equally between terms, the number of credits in each term is 30 ECTS.

The study programme is organised into five learning blocks and the master's dissertation:

Legal Aspects block

The Legal Aspects block focuses on the legislation concerning IT security. It covers all legal aspects relating to modern information systems and regulations and laws that will apply in the case of forensic investigations as part of court proceedings. It also considers the security standards and certifications recognised in Spain.

Security Applications (Active Security) block

This block allows students to learn and apply knowledge relating to the supervision and analysis of IT system functioning, with the aim of detecting potential vulnerabilities or attacks on these systems and containing and limiting the scope of any security incidents.

Communications Security (Remote Preventive Security) block

This block explores topics relating to cryptography and the protocols that, among other mechanisms, guarantee the confidentiality, availability and integrity of the information in communications, especially in potentially hostile environments such as the internet.

Applications Security (Local Preventive Security) block

This block focuses on topics relating to the design, analysis, development and implementation of IT applications that can manage information securely, including in industrial settings. It will also explore the knowledge and techniques needed to analyse existing programs to detect potential vulnerabilities from a security perspective and malicious software to study its behaviour and mitigate its impact.

Internship block

This block comprises the External Internship module, which offers students an opportunity to experience a business environment specialising in IT security. Table 5.2 shows the overall structure of the study programme and the distribution of the blocks, subjects and modules. It also lists the nature, ECTS credits, term and language for each module.