Choose MSI if you wish to:

➢ Study:

How to **think** and how to **do security** and **dependability.** The program provides a solid theoretical basis combined with intensive laboratory work, and complemented with **policy** and **legal** notions.

The course combines security and dependability, as well as **information** and (critical) **infrastructures**, mastering a symbiosis between policy/assurance/law and architecture/protocols/technology.

➢ Become:

Security Specialist, Consultant, Software or System Developer, PhD student.

➢ Be inspired by:

Top international level instructors, heavily engaged in high-level research and teaching and in numerous international research projects in security and dependability.

After graduation:

➢ 100% Employability

In Portugal and outside.

➢ Many success stories

- Paulo Moniz, Sub-director for information security, EDP

- Nuno Loureiro, Head of web security at sapo.pt

- Bruno Garrancho, Manager of Information Security governance for BBC – British Broadcast Corporation

"This programme provided me with the opportunity to learn Information Security, from the practical applications to the underlying theoretical basis. Studying in a highly demanding environment developed both my soft and hard skills. Being exposed to the programme high standards, discussing current state-of-knowledge technologies, and methodologies, helped shaping my approach to the ever changing field of Information Security with confidence and structure. When I joined the programme I was trying to change my career, I can surely say that this experience changed my life."

Departamento de Informática
Faculdade de Ciências da Universidade de Lisboa
Edifício C6, Piso 3
Campo Grande, 1749-016 Lisboa
di.ciencias.ulisboa.pt

Master in Information Security

Ciências ULisboa — Faculdade de Ciências da Universidade de Lisboa

http://msi.campus.ciencias.ulisboa.pt

Access:

- ➤ **Vacancies:**
  - 15
- ➤ **Requirements to apply:**
  - Bachelor's (Licenciatura) degree in areas related to Informatics (Computer Science/Engineering) or similar;
  - 1st cycle studies completed according to the Bologna Process; or
  - a foreign academic degree recognized as equivalent to Licenciatura by the Scientific Council of FCUL.
- ➤ **Tuition Fee - 2017/18:**
  - 1200 € (annual value)
- ➤ **Admission schedule:**
  - 1st phase: 6th June to 11th July, 2018
  - 2nd phase: 16th to 31st August, 2018
- ➤ **Further information:**
  - https://ciencias.ulisboa.pt/pt/oferta-formativa/curso/mestrado/seguranca-informatica
  - https://ciencias.ulisboa.pt/pt/candidaturas-0

> "It used to be expensive to make things public and cheap to make them private. Now it's expensive to make things private and cheap to make them public."
>
> *Clay Shirky, Internet scholar and professor at N.Y.U*

Programme Structure

➤ 1st Year, 1st Semester

Core Courses:

- Introduction to Computer Security
- Secure Software Systems
- Distributed Fault Tolerance

1 Restrictive Elective + 1 Free Elective

➤ 1st Year, 2nd Semester

Core Courses:

- Intrusion Tolerance
- Applied Security

2 Restrictive Electives + 1 Free Elective

➤ 2nd Year

Master Project/Thesis

Examples of Restricted Electives (1st semester):

- Security Risk Analysis and Management
- Cyber Crime and Digital Forensics
- Distributed Systems Programming

See http://msi.campus.ciencias.ulisboa.pt/program for further information.

Examples of Restricted Electives (2nd semester):

- Systems Configuration and Management
- Cybersecurity Law
- Introduction to Applied Cryptography
- Security Procedures and Handling of Classified Information
- Software Quality
- Embedded and Real-Time Systems