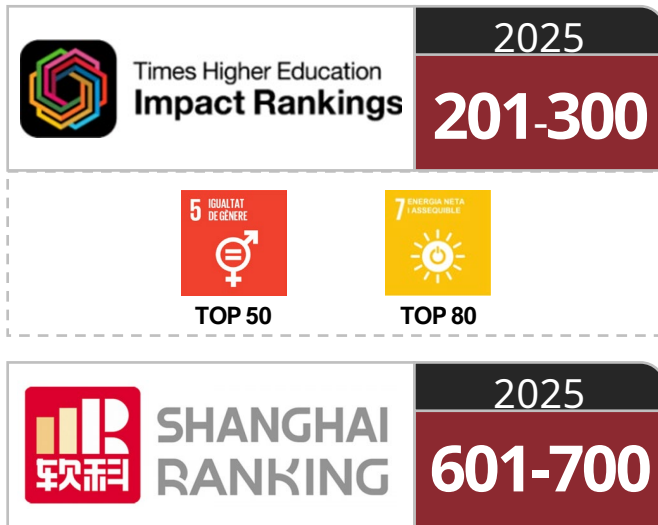


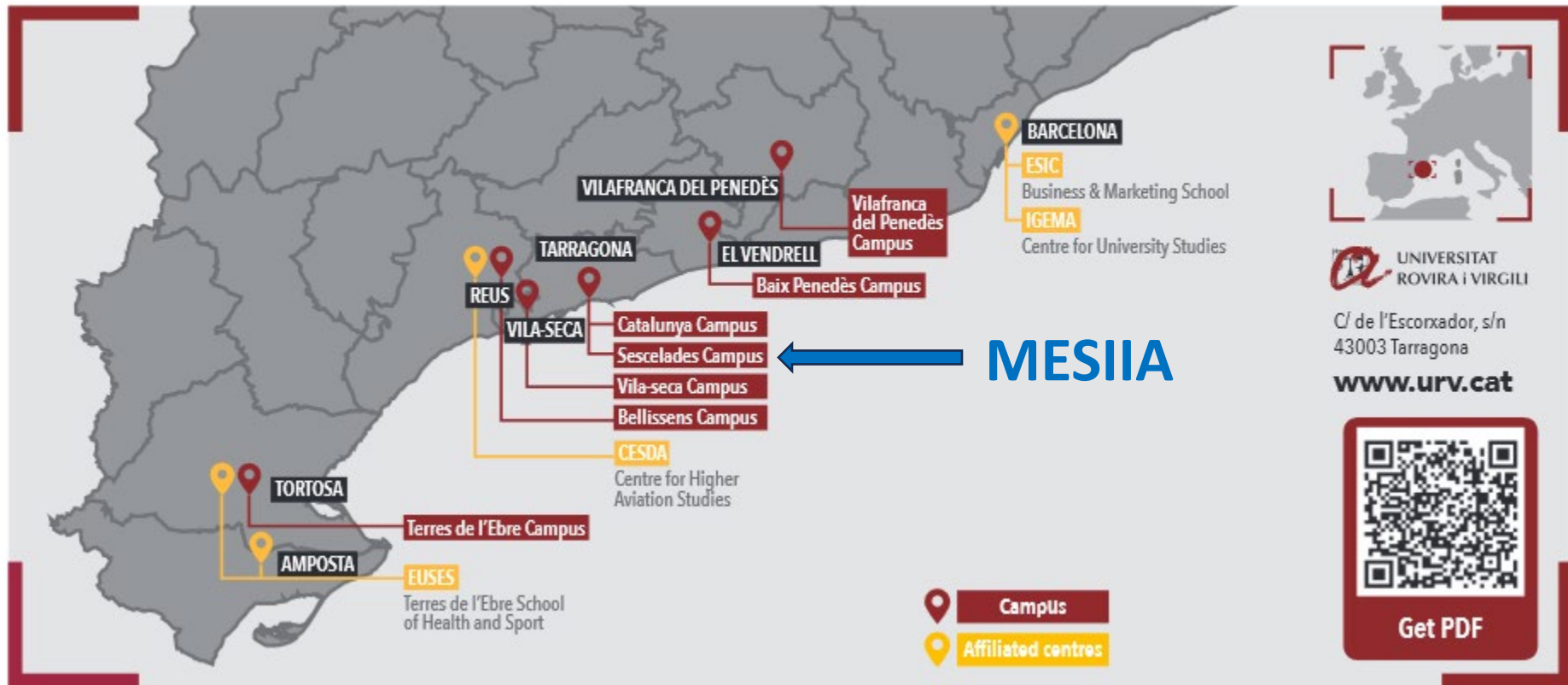


**Master's Degree in  
Computer Security and  
Artificial Intelligence  
(MESIIA)**

# International visibility



## THE URV IN CATALONIA



**58** BACHELOR'S  
DEGREES

**61** MASTER'S  
DEGREES

**26** DOCTORAL  
DEGREES

# Presentation

- ▶ **Aims:** provide students with a specialization in Computer Security and Artificial Intelligence.
- ▶ Specifically, the master's degree train students:
  - ▶ To design and implement safe intelligent systems.
  - ▶ To ensure the safety of information in applications, services and Information and Communication Technology (ICT) systems and the privacy of their users.
  - ▶ To manage and carry out ICT systems projects based on Artificial Intelligence.
  - ▶ To innovate and conduct research in the field of Computer Security and Artificial Intelligence.

# Students profile

- ▶ Students wishing to study the master's degree should possess the following personal and academic qualities:
  - ▶ Bachelor's degree in Computer Engineering or related fields.
  - ▶ Knowledge of Engineering Programming and Mathematics.
  - ▶ Official certificate to accredit English level (at least B2).

# Course description

Duration	60 ECTS
Mode	Face-to-face OR online
Timetable (face-to-face)	Monday to Friday in the afternoons
Internships	Not included, but students can do their Final Master's Thesis in a company
Language of instruction	English
Places available	20 (face-to-face) + 20 (online)
Affiliated doctoral degree	Computer Engineering and Mathematics of Security
Start and finish dates of teaching	Last week of September (current year) to the end of June (next year)
Evaluation system	1st call: continuous assessment. 2on call: exam
Final master's thesis	Two calls: June and September, additional (February)

Possibility of taking the master's degree in more than one year, enrolling with a minimum of 18 credits per year, in the face-to-face mode and 12 in the virtual mode

# Programme

## ► Structure

COMPULSORY CREDITS	OPTIONAL CREDITS	MASTER'S THESIS CREDITS	TOTAL CREDITS
36	15	9	60

4 subjects + 4 subjects  
(AI\*) (CS\*)

- 2 subjects (AI\*)
- 2 subjects (CS\*)
- 2 subjects (IP\*)

AI\*: Artificial Intelligence

CS\*: Computer Security

IP\*: Innovation Projects

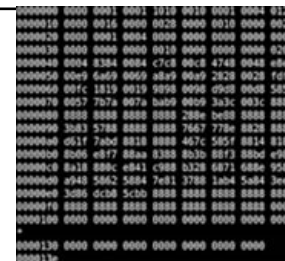
# Programme

## ► Compulsory subject in Computer Security

Cryptography and  
Information Security



Computer Forensics



Biometric Identification



Privacy Protection



## ► Optional subjects in Computer Security

Safe Distributed Systems  
Architectures



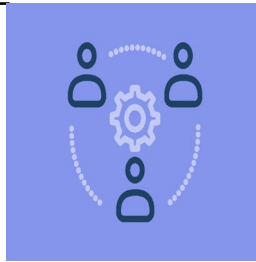
Multimedia Security



# Programme

## ► Compulsory subjects in Artificial Intelligence:

Multi-agent Systems



Artificial Vision and Pattern Recognition



Neural and Evolutionary Computation



Multi-criteria Decision Support Systems

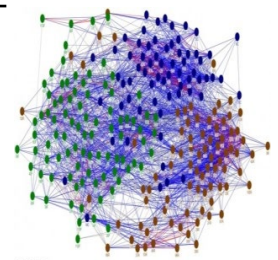


## ► Optional subjects in Artificial Intelligence:

Planning and Approximate Reasoning



Complex Networks



# Programme

## ► Optional subjects in Innovation Projects:

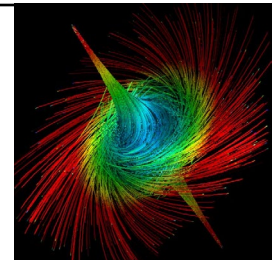
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Research and  
Entrepreneurship In Security  
and Artificial Intelligence



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Visualization and  
Interaction Systemes



# Presentation

- ▶ Coordinator: Susana Álvarez
- ▶ e-mail: [master.eng.informatica@urv.cat](mailto:master.eng.informatica@urv.cat)

For more information visit:

- ▶ <http://www.urv.cat/en/studies/master/courses/computer-security-engineering/>



Moltes gràcies