

Master's degree in Optics, Image, Vision and Multimedia

Distributed Systems and Data Science Technologies

Master's degree year 1 - semester 1

Information theory (3 ECTS)
Programmable digital systems (3 ECTS)
Signal and image processing 1 (6 ECTS)
Object-oriented programming (3 ECTS)
Algorithm design and analysis (3 ECTS)
Waiting-line and queuing theory (3 ECTS)
Optimisation technique (3 ECTS)
Language techniques (3 ECTS)
English 1 (3 ECTS)

Master's degree year 1 - semester 2

Modelling and data base (4 ECTS)
Graphs theory and algorithms (4 ECTS) including:
** Graphs theory and algorithms 1 (2 ECTS)
** Graphs theory and algorithms 2 (2 ECTS)
Digital transmission (4 ECTS)
Real-time embedded systems (4 ECTS)
Local industrial networks (4 ECTS)
Industrial sensor networks (4 ECTS)
Distributed systems: initiation (3 ECTS)
English 2 (3 ECTS)

Master's degree year 2 - semester 1

Metaheuristic optimisation (4 ECTS)
Advanced distributed database (4 ECTS)
Architecture and distributed apps (4 ECTS)
Advanced telecommunications (4 ECTS)
Advanced technologies and network security (4 ECTS)
Communication protocols specification (4 ECTS)
Documentary research and communication (2 ECTS)
TOEIC certificate (2 ECTS)
Seminars (2 ECTS)

Master's degree year 2 - semester 2

Internship (30 ECTS)