



MASTER (LM) DEGREE COURSE IN COMPUTER SCIENCE <i>Study programme for students enrolled in the academic year 2024-2025 - entirely held in English</i>	
1st YEAR	
MANDATORY UNITS:	CREDITS
COMPUTABILITY	6
ADVANCED ALGORITHMS	6
ECONOMICS AND MANAGEMENT OF INNOVATION	6
7 UNITS TO CHOOSE AMONG THE FOLLOWING:	CREDITS
MOBILE PROGRAMMING E MULTIMEDIA	6
SELECTED TOPICS IN ALGORITHMS	6
LANGUAGES FOR CONCURRENCY AND DISTRIBUTION	6
REAL-TIME KERNELS AND SYSTEMS	6
FORMAL METHODS FOR CYBER-PHYSICAL SYSTEMS	6
SOFTWARE VERIFICATION	6
RUNTIMES FOR CONCURRENCY AND DISTRIBUTION	6
ARTIFICIAL INTELLIGENCE	6
ADVANCED TOPICS IN COMPUTER SCIENCE	6
IT SERVICE MANAGEMENT	6
MACHINE LEARNING	6
DEEP LEARNING	6
ADVANCED TOPICS IN COMPUTER AND NETWORK SECURITY	6
BIG DATA COMPUTING	6
VISION AND COGNITIVE SYSTEMS	6
WEB INFORMATION MANAGEMENT	6
PROCESS MINING	6
FUNCTIONAL LANGUAGES	6
WIRELESS NETWORKS FOR MOBILE APPLICATIONS	6
START-UP IN ICT	6

KNOWLEDGE REPRESENTATION AND LEARNING	6
MOBILE SECURITY	6
CYBERPHYSICAL SYSTEMS AND IOT SECURITY	6
NATURAL LANGUAGE PROCESSING	6
SECURITY AND RISK: MANAGEMENT AND CERTIFICATIONS	6
1 UNIT TO CHOOSE AMONG THE FOLLOWING:	CREDITS
CRYPTOGRAPHY	6
GAME THEORY	6
BIOINFORMATICS	6
DATA MINING	6
STRUCTURAL BIOINFORMATICS	6
TYPE THEORY	6
MATHEMATICAL MODELS AND NUMERICAL METHODS FOR BIG DATA	6
METHODS AND MODELS FOR COMBINATORIAL OPTIMIZATION	6
2nd YEAR	
SEMINARS AND OTHER ACTIVITIES	3
ENGLISH LANGUAGE B2 (PRODUCTIVE SKILLS)	3
ADDITIONAL FREE-CHOICE CREDITS	12
SHORT INTERNSHIP	3
FINAL THESIS/DISSERTATION	33

ANY FURTHER NOTES

Free-choice credits can be chosen among the university's educational offer as long as they are consistent with the educational path
Attendance is recommended but not mandatory.