



MASTER (LM) DEGREE COURSE IN CYBERSECURITY <i>Study programme for students enrolled in the academic year 2025-2026 - entirely held in English</i>	
1st YEAR	
MANDATORY UNITS	CREDITS
CYBERSECURITY AND CRYPTOGRAPHY: PRINCIPLES AND PRACTICES	12
INFORMATION SECURITY	6
MACHINE LEARNING	6
COGNITION AND COMPUTATION	6
DEEP LEARNING	6
STOCHASTIC PROCESSES	6
DIGITAL FORENSICS AND BIOMETRICS	6
1 UNIT TO CHOOSE AMONG THE FOLLOWING:	CREDITS
HUMAN COMPUTER INTERACTION	6
LAW AND DATA	6
SERVICE MANAGEMENT	6
2nd YEAR	
MANDATORY UNITS	CREDITS
ADVANCED TOPICS IN COMPUTER AND NETWORK SECURITY	6
2 UNITS TO CHOOSE AMONG THE FOLLOWING:	CREDITS
QUANTUM INFORMATION AND COMPUTING	6
BIG DATA COMPUTING	6
SECURITY AND RISK: MANAGEMENT AND CERTIFICATIONS	6
WEB APPLICATIONS	6
SECURITY OF ADVANCED NETWORKING AND SERVICES	6
GAME THEORY	6
INTERNET OF THINGS AND SMART CITIES	6
FOUNDATIONS OF DATABASES	6
VISION AND COGNITIVE SYSTEMS	6

SOFTWARE VERIFICATION	6
WIRELESS NETWORKS FOR MOBILE APPLICATIONS	6
FORMAL METHODS FOR CYBER-PHYSICAL SYSTEMS	6
METHODS AND MODELS FOR COMBINATORIAL OPTIMIZATION	6
ETHICAL HACKING	6
QUANTUM CRYPTOGRAPHY AND SECURITY	6
MOBILE SECURITY	6
CYBER PHYSICAL SYSTEMS AND IOT SECURITY	6
ADVERSARIAL MACHINE LEARNING	6
PRIVACY PRESERVING INFORMATION ACCESS	6
SEMINARS AND OTHER ACTIVITIES	3
ENGLISH LANGUAGE B2 (PRODUCTIVE SKILLS)	3
ADDITIONAL FREE-CHOICE CREDITS	12
FINAL THESIS/DISSERTATION	30

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.