



Master of Science in Cyber Security and Privacy

<https://mscyber.cs.ucf.edu/>

Program Description

The Master's Degree in Cyber Security and Privacy (MS-Cyber) program will provide high-quality cybersecurity graduate education, advance cyber security and privacy research, and address the issues of state, national and international cybersecurity. It provides students with an in-depth education geared toward meeting the cybersecurity workforce needs of business and industry in Florida and throughout the United States.

This MS program is offered jointly by College of Engineering and Computer Science (CECS) (Department of Computer Science), College of Business, School of Modeling & Simulation and Training (SMST), College of Sciences (Department of Psychology), College of Community Innovation and Education (Department of Criminal Justice).

Admissions Requirements

Prospective applicants are expected to have a solid background in computer science and/or information technology. A BS degree in Computer Science, Computer Engineering, Information Technology, or equivalent is desirable but not required. Applicants from other BS programs need to have either related working experiences or have taken the following core knowledge undergraduate courses in UCF or other universities:

- COP 3502: Computer Science I
- CIS 3360: Security in Computing
- CNT 3004: Computer Network Concepts (or CNT4704: Analysis of Computer Networks)

Applicants need to submit (GRE is not required):

- An earned bachelor's degree from an accredited university with the official transcript, with minimum GPA of 3.0
- A personal statement (essay) and a Résumé
- One letter of recommendation

Application Due Dates

- The application and processing fee must be submitted by the appropriate deadline. Applications will not be reviewed until all materials are received.

	Fall Deadline	Spring Deadline
U.S. Applicants <i>Students not needing an F or J visa</i>	July 1	December 1
International Applicants	January 15	July 1



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Interdisciplinary Track Program Curriculum

The program requires 30 credit hours, of which at least half of the course work must be at 6000 level. The program has *Technical Track* and *Interdisciplinary Track*.

Required Courses (9 credit hours)

- CAP 5150 – Foundations of Computer Security and Privacy
- CDA 5209/5220 – Foundations of Secure Execution Environment
- CIS 6614 – Advanced Software Systems Security (Capstone Course)

Restricted Elective Courses (21 credit hours)

Elective courses from Business Management:

- ISM 6327 – Foundations of Cybersecurity and Privacy
- ISM 6328 – Cyber Risk Assessment
- ISM 6375 – Cyber Management and Leadership

Elective courses from School of Modeling & Simulation and Training:

- IDC 5602 – Cybersecurity: A Multidisciplinary Approach
- IDC 6600 – Emerging Cyber Issues
- IDC 6601 – Behavioral Aspects of Cybersecurity
- IDC 6602 – Usable Cybersecurity and Privacy

Elective courses from Psychology:

- PPE 5055 – Personality Theories
- EXP 5256 – Human Factors I
- EXP 6257 – Human Factors II
- INP 6072 – Survey Research Methods and Program Evaluation
- SOP 5059 – Advanced Social Psychology

Elective courses from Criminal Justice:

- CCJ 6717 – CJ Theories of Crime Analysis and Prevention
- CCJ 6074 – Investigative and Intelligence Analysis: Theory and Methods
- CCJ 6073 – Data Management Systems for Crime Analysis
- CJE 6688 – Cybercrime and Criminal Justice

Thesis Option or Course Option (6 credit hours)

Thesis Option: 3 credit-hour MS thesis class per semester for two semesters

Course Option: any two elective courses from both the Technical track and the Interdisciplinary track

MS-Cyber Program Contact:

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