Cybersecurity Electives

This document lists the courses that can be used to meet the Cybersecurity Approved Electives requirements for the Cybersecurity program for the 2024-25 academic year. Note that older catalogs may have different course numbers, different options, and/or different requirements. This list is provided as a guide; the Undergraduate Catalog remains as the definitive source of requirements. *Note that not all of the courses listed below will be offered in any given academic year. Also note that with ongoing faculty hiring we expect to have some new electives in fall 2024 and spring 2025 not yet listed here.*

Notes:

1) These courses are not open to Computer Science or Computer Engineering students, some courses may not be open for Information Technology students.

2) See USF Course Inventory for course descriptions and a complete listing of prerequisites.

3) Course from other colleges may have limited seats. Please consult with an advisor if you are interested in one of these courses.

4) COP 4931 is the designation for special topic course. Unless otherwise stated, the pre-requisite for COP 4931 is COP 4538 Data Structures and Algorithms for IT.

5) Students may earn up to 9 credit hours of COP 4900 Independent Study and/or CIS 4947 Industry Internship credit, no more than 3 credit hours in any one given company for CIS 4947 credit. Internships for CIS 4947 must be in the area of cybersecurity.

College of Engineering – Dept of Computer Science and Engineering	
CAP 4136	Malware and Reverse Engineering Analysis
CIS 4083	Cloud Computing for IT
CIS 4947	Industry Internship
CNT 4716C	Network Programming
COP 4368	Advanced Object-Oriented Programming for IT
COP 4900	Independent Study for IT
COP 4931	Applied Data and Information Security
COP 4931	Capture the Flag
COP 4931	Hands-on DevOps
COP 4931	Robotic Process Automation
COP 4931	Secure Internet of Things
College of Arts and Sciences – School of Information	
CIS 3360	Principles of Information Security
CIS 3362	Cryptography and Information Security
CIS 4361	Information Assurance and Security Management for IT
LIS 4779	Health Information Security

Muma College of Business – Dept of Info Systems Decision Sciences	
CIS 4203	Cyber Forensics and Investigation
CIS 4368	Database Security and Audits
ISM 4041	Global Cyber Ethics
College of Education – Dept of Teaching and Learning	
EDG 3801	Cybersecurity and the Everyday Citizen

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