

Cybersecurity Electives

This document lists some of the courses that can be used to meet the Cybersecurity Approved Electives requirements for the Cybersecurity program. This page is current for academic year 2021-22. Note that older catalogs may have different course numbers, different options, and/or different requirements. Check with the Department Undergraduate Advisor concerning possible courses not listed. 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.*

Notes:

- 1) The Approved Cybersecurity elective courses are open to information technology students, they are not open to computer science or computer engineering students.
- 2) See USF Course Inventory for course descriptions and a listing of prerequisites.
- 3) COP 4931 is the designation for special topic courses. Unless otherwise stated, the pre-requisite for COP 4931 is COP 4538 Data Structures and Algorithms for IT.
- 4) 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 – Department of Computer Science and Engineering	
COP 4931	Secure Internet of Things
COP 4931	Applied Data and Information Security
CAP 4136	Malware and Reverse Engineering Analysis
COP 4931	Capture the Flag
COP 4931	Robotic Process Automation
COP 4931	Hands-on DevOps
COP 4931	Network Programming
COP 4931	Advances in Object Oriented Programming
College of Arts and Sciences – School of Information	
LIS 4779	Health Information Security
CIS 4361	Information Assurance and Security Management for IT
CIS 3360	Principles of Information Security
CIS 3362	Cryptography and Information Security
Muma College of Business – Department of Info Systems Decision Sciences	
ISM 4041	Global Cyber Ethics
CIS 4203	Cyber Forensics and Investigation
CIS 4368	Database Security and Audits

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