

Teach-Out Course Schedule

Students starting Summer 2026 or earlier

The following course descriptions apply to semesters prior to Fall 2026. New curriculum for Fall 2026 and beyond can be found on the website.

Summer 2027

Digital Forensics

CYB 735: Network Forensics (final offering scheduled Summer 2027)

Covers protocol analysis, identification of malicious behavior in systems, and forensic investigations through event log aggregation, correlation and analysis. Students will analyze clips of wired and wireless network protocol analysis to discern methods of attacks and malicious activities.

Prerequisites: CYB 703

[CYB_735_Syllabus](#)

Cyber Response

CYB 745: Secure Operating Systems (final offering scheduled Summer 2027)

Covers operating systems security infrastructure. Topics include, for a given operating system (Windows/Linux), updates and patches, access controls and account management, configuration management, hardening and securing services, and the use of scripting languages to automate security management. Additional topics may include auditing and forensics, virtualization and cloud computing.

[CYB 745 Syllabus](#)

Governance and Leadership

CYB 755: Security Administration (final offering scheduled Summer 2027)

Covers the policy and governance aspects of security. Topics include application of security policies, standards, procedures and guidelines to administration of IT and communications, assessment of compliance including contractual, legal, industry standard, privacy and regulatory requirements, and implementation of security audits and assessment of security performance and security policy efficacy.

Prerequisites: CYB 700, CYB 703, CYB 705, CYB 707, CYB 715, CYB 720

Security Architecture

CYB 785: Cyber Physical System Security (final offering scheduled Summer 2027)

Covers the fundamentals and techniques to design and implement cyber-physical systems. Topics include the architecture of cyber-physical systems, exploiting software vulnerabilities, secure coding, microservices security, cloud services security, reverse engineering, security assessment of cyber-physical systems, and data analytics for security.

Students may choose CYB 780 or CYB 785 to satisfy the Security Architecture track requirements.

Prerequisites: CYB 775

[CYB 785 Syllabus](#)

Capstone Courses

CYB 789: Cybersecurity Pre-Capstone

Prepares student for capstone experience. Drawing on skills learned, students will submit a written project proposal – with organization, timeline, learning objectives, and specific deliverables identified – for faculty approval. This course is a pre-requisite for the capstone course.

Prerequisites: All seven core courses must be completed

[CYB 789 Syllabus](#)

CYB 790: Cybersecurity Capstone

Students present project identified in Capstone Preparation and submit a written report plus oral presentation to both faculty and host organization. Students will be assessed on clarity and content of written report and presentation. Host evaluation will account for a significant percentage of student's final grade.

Prerequisites: CYB 789

[CYB 790 Syllabus](#)