2024-2025 TTC Catalog - Cybersecurity (CYB)

CYB 201 - Cybersecurity Operations

Lec: 3.0 **Lab:** 0 **Credit:** 3.0

Course Offered

Summer

This course is a study of the concepts and technologies related to Security Operations Center teams that detect and respond to cybersecurity threats. Topics cover an in-depth review of security concepts and monitoring, host-based and network intrusion analysis, and security policies and procedures.

Prerequisite

IST 166

and

IST 190

and

IST 293

Grade Type: Letter Grade

Division: Business Technology

CYB 269 - Digital Forensics

Lec: 3.0 **Lab:** 0 **Credit:** 3.0

Course Offered

Fall
Spring
Summer

This course examines advanced technical aspects of digital computer evidence to include detection, collection, identification, and preservation. Emphasis is placed on specific tools and methods for extracting deleted or destroyed computer-related evidence.

Prerequisite

IST 190

or

IST 293

Grade Type: Letter Grade

Division: Business Technology

CYB 285 - Cybersecurity Capstone

Lec: 3.0 **Lab:** 0 **Credit:** 3.0

Course Offered

Fall
Spring
Summer

This course integrates the knowledge and skills gained through previous coursework and experience to develop and implement risk management, vulnerability assessment, threat analysis, and incident response plans.

Prerequisite

CYB 269

and

IST 191

and

IST 291

and

IST 294

Grade Type: Letter Grade

Division: Business Technology

CYB 286 - CYB 286 Cybersecurity Internship I

Lec: 0 **Lab:** 9.0 **Credit:** 3.0

Course Offered

Fall
Spring
Summer

This course provides students with entry-level work experience in a cybersecurity operations support role. Students will learn skills in their field and develop a job skills portfolio.

Prerequisite

IST 166

and

IST 293

Grade Type: Letter Grade

Division: Business Technology