ITSS 4361 - Information Technology Cybersecurity

ITSS 4361 Information Technology Cybersecurity (3 semester credit hours) Students will explore IT Security as applicable to the eight security domains. This course allows students to master cybersecurity concepts and topics including security and risk management (legal, regulatory compliance), asset security (data classification, ownership, data security, and privacy), security engineering (security architecture, design, and security models), telecommunication and network security (perimeter protection, network attacks, IDS, IPS, firewalls), identity and access management (authentication, authorization, identity as a service), security assessment and testing, security operations (business continuity, disaster recovery, incident management, vulnerability and patch management), and software development security. This course is designed to prepare an individual with major concepts and topics and their applications as preparation for the Security + exam and Certified Information Systems Security Professional (CISSP) exam. Prerequisite: ITSS 4360. (3-0) Y