
SECTION HEADING

CST 1220: Cybersecurity

Description

Cybersecurity aims to provide students with a comprehensive understanding of the managerial aspects of cybersecurity. It delves into the ethical, legal, and professional dimensions of cybersecurity issues, helping students assess, identify, and proactively manage security risks. The curriculum covers secure network design, disaster recovery planning, the development of cybersecurity policies, and the implementation of secure employment practices. This course is part of a series designed to equip students with the knowledge and skills needed to comprehend, lead, and implement cybersecurity strategies. It also serves as a preparation for various cybersecurity certifications, ensuring students are well-prepared for careers in the field of cybersecurity.

Credits

3

Topics to be Covered

1. The need for information security
2. Computer and network threats and risk
3. Security Policies and Procedures
4. An information security plan
5. Risk management
6. Disaster plans and recovery
7. Security implementation

Learning Outcomes

1. Identify components of a secure network.
2. Identify types of viruses and security breaches.
3. Identify types and uses of security devices.
4. Detect security breaches.
5. Describe the recovery information systems.
6. Create a blueprint for a secure network environment.
7. Describe security and authentication protocols.

Credit Details

Lecture: 3

Lab: 0

OJT: 0