CSC 455 - ENTERPRISE SECURITY

CREDIT HOURS: 3
PREREQUISITES: CSC 353 and 355.
GRADE REMINDER: Must have a grade of C or better in each prerequisite course.

CATALOG DESCRIPTION

Practical approaches to ensuring the security of information systems.

PURPOSE OF COURSE

The purpose of this course is to provide the student with an understanding of tools and techniques employed to assure security in information systems. Legal, ethical, professional, and technical issues will be addressed. Current topics will be explored.

EDUCATIONAL OBJECTIVES

Upon successful completion of the course, students should be able to:

1. Demonstrate an understanding of the computer security field through identification of need, social issues, risk assessment and planning.
2. Demonstrate an understanding of the threats and controls for operating system and network security and to study specific system vulnerabilities.
3. Identify techniques of disaster planning and recovery.
4. Identify the tools and techniques of digital forensics.
5. Describe current topics in the computer security field.

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  Components
  Bastion Hosts

Cryptography ........................................................... 3

Virtual Private Networks ........................................ 2

Current Topics ........................................................ 2

Exams (plus final) .................................................... 3

TOTAL 45

REFERENCES


