

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: CTEC 220

Credit Hours: 3-3-0

Course Title: Information System Security I

Course Prerequisites: CTEC 155 or program director approval

Textbook(s): Certified Information Systems Security Professional Student Edition, 30Bird Media, ISBN-13: 9781646850556.

Course Description: This course is the first of a two-semester curriculum that provides a comprehensive overview of all of the aspects of information system security related to the (ISC)² CISSP certification. This course covers four of the eight topical domains: Communication and Network Security, Identity and Access Management (AIM), Security Assessment and Testing, and Security Operations. This course is required toward the CNSS 4001-4016 certifications.

Learning Outcomes:

At the end of this course, the student will:

- A. identify access control concepts, techniques, and attacks;
- B. apply application security techniques used in system development;
- C. describe security assessment techniques; and
- D. identify network security layers and technologies.

To achieve the learning outcomes the student will or will be able to:

(The letter designations at the end of each statement refer to the learning outcome.)

1. explain access control concepts (A);
2. explain access control techniques and attacks (A);
3. explain system development (B);
4. describe application security techniques (B);
5. describe auditing techniques (C);
6. identify network layers (D); and
7. recognize network technologies (D).

Course Requirements:

1. A student must successfully complete the course with an average of 70% or above on the combined learning outcomes.
2. Each student is expected to attend class regularly; excessive unexcused absences constitute grounds for suspension (refer to the student handbook for attendance policies).

Course Grading:

A = 90 - 100

B = 80 - 89
C = 70 - 79
D = 60 - 69
F = 0 - 59

Attendance Policy: The college attendance policy is available at <http://www.bpcc.edu/catalog/current/academicpolicies.html>

Course Fees: This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, software licenses, certification exams, and/or clinical fees.

Nondiscrimination Statement: Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

Angie Cao, Student and Disability Services Specialist

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Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator

Teri Bashara, Director of Human Resources

Human Resources Office, A-105

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Bossier City, LA 71111

Phone: 318-678-6056

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.