EL CENTRO COLLEGE
ITSY 1191
INTRODUCTION TO CYBERSECURITY
SYLLABUS

Course Description
Prerequisites: None. Prior experience with Internet and blackboard eCampus will be beneficial.

Overview of cyber security systems. This section will explore the broad topic of cybersecurity in a way that matters to you. Learn how to protect personal data and privacy online and in social media, and why more and more IT jobs require cybersecurity awareness and understanding.

This is a one credit hour course. (1 Lec., 1 Lab.)

WECEM END OF COURSE OUTCOMES

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the information security technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Identify cyber security terms and concepts that help improve system security;

STUDENT LEARNING OUTCOMES:

Upon successful completion of ITSC 1191- Introduction to Cybersecurity, students will be able to:

- Identify the need for cybersecurity
- Describe the different types of malware and attacks
- Describe the protection strategies used by organizations against attacks
- Explore career options in cybersecurity

COURSE MATERIALS

Textbook: None. Access to a computer that has Internet connection.

Log in access will be provided to the student by the instructor from the Cisco Networking Academy website.

A student of this institution (El Centro College) is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.
Major course requirements

Students will participate in discussion forums addressing different issue topics.
Students will practice concepts and techniques for each lecture unit by completing the assignments.
Students will complete chapter quizzes.
Students will produce a Case Study Project paper on the following topics:

- The Need for Cybersecurity
- Attacks, Concepts and Techniques
- Protecting Your Data and Privacy
- Protecting the Organization
- Will Your Future Be in Cybersecurity

Major Course Requirements

Students will participate in discussion forums addressing different issue topics in each lecture unit.
Students will practice concepts and techniques for each lecture unit by completing the assignments.

A post-assessment will evaluate the students understanding of cyber security concepts and knowledge presented in each unit.

Subject Matter

- Personal and Organization Data
- Legal and Ethical Issues
- Types of Malware and Symptoms
- Protecting Data and Data Maintenance
- Firewalls and Security Appliances
- Cybersecurity Education and Careers

Disclaimer

The provisions contained in the syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the coordinator/instructor. When necessary, appropriate notice of such changes will be given to the student.

The instructor of record may provide additional information to enhance a course to meet the needs of the enrolled students, provided that the enhancements do not conflict with the official course syllabus.

Institutional Policies

Institutional Policies relating to this course can be accessed from the following link

www.elcentrocollege.edu/syllabipolicies