

# CSEC - CYBERSECURITY (CSEC)

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## **CSEC 110. Principles of Cybersecurity**

### **3 Credits (3)**

Course covers contemporary trends in cybersecurity including understanding characteristics of security vulnerabilities as they relate to hardware, software, data, procedures, and user actions. Restricted to Community Colleges campuses

## **CSEC 275. Introductory to Cryptography**

### **3 Credits (3)**

Introduction to the foundation of cryptography, principles behind cryptographic design, and cryptographic applications. Topics include encryption techniques, common cryptographic protocols and security functions.

**Prerequisite(s)/Corequisite(s):** MATH 1215 or above. Restricted to Las Cruces campus only.

## **CSEC 280. Introduction to Cyber Defense**

### **3 Credits (3)**

Introduction to the foundation of cryptography, principles behind cryptographic design, and cryptographic applications. Topics include encryption techniques, common cryptographic protocols and security functions.

**Prerequisite(s)/Corequisite(s):** MATH 1215. Restricted to Las Cruces campus only.

## **CSEC 285. Introduction to Managing Information Security**

### **3 Credits (3)**

Managerial aspects of information security and assurance including access control models, information security governance, accountability metrics, legal responsibilities, and information security program assessment.

**Prerequisite(s)/Corequisite(s):** CTEC 290 or OECS 269. Restricted to Las Cruces campus only.