

# Csci 427: Fundamentals of Computer Security

## COMPUTER & INFORMATION SCIENCE

This course explores the concepts and methods of computer security and the appropriate tools to identify and remedy vulnerabilities across leading network and systems platforms. It emphasizes both offensive and defensive analysis tools, including scanners, sniffers, intrusion detection systems, access control lists, and firewalls. It stresses adherence to professional guidelines for ethical hacking and security.

3 Credits

### Prerequisites

- [Csci 325: Foundations of Computer Security](#) (Minimum grade: C-)
- Pre-Requisite: 24 Earned Hours
- Csci 211 or Csci 223

### Cross-listed Courses

- [CIS 427: Network Security](#)

### Instruction Type(s)

- Lecture: Lecture for Csci 427

### Subject Areas

- [Computer Science](#)

