

Security in Computing

CSCI-B 451, CSCI-C 690, INFO-I 400

Instructor: Dinh, Hang (htdinh@iusb.edu)

Prereq: CSCI-C 335

When: Tuesday & Thursday, 4-5:15p

Course Description:

An introduction to computing security to include confidentiality, integrity, and availability triad, cryptography, software security, operating system security, trusted operating system design and evaluation, authentication, network threats and defenses, security management, legal aspects of security, privacy and ethics.

After completing this course, students will be able to :

- ✓ Recognize the threats and vulnerabilities in computing systems
- ✓ Apply cryptography to computer and network security
- ✓ Analyze, design, and build secure software systems of moderate complexity
- ✓ Discuss the human aspects of security in computing

