



# INFORMATION SYSTEMS SECURITY

## Business Curriculum (44 units)

### 1. Lower Division Required Core Courses (18 units):

- ACC 230. Financial Accounting (3)
- ACC 231. Managerial Accounting (3)
- CIS 270. Information Systems & Technology Fundamentals (3)
- ECO 210. Economic Theory 1A (Microeconomics) (3)
- ECO 211. Economic Theory 1B (Macroeconomics) (3)
- LAW 240. Legal Environment of Business (3)

### Prerequisites:

- MAT 9 or equivalent
- ACC 230
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### 2. Upper Division Required Core Courses (17 units):

Select two courses from the following (2 units):

- BUS 301 Employment Communications (1)
- BUS 302 Written Communications (1)
- BUS 303 Oral Communications (1)

- ENG 111
- ENG 111
- ENG 111

### Required Courses

- CIS 370. Information Systems Theory and Practice (3)
- FIN 360. Business Finance (3)
- MGT 310. Management Theory (3)
- MKT 350. Principles of Marketing (3)
- OMG 321. Business Statistics (3)

- CIS 270 or CSC 111 or CSC 121
- ACC 230, ECO 210, an approved MAT
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- ECO 210 recommended
- MAT 131, or OMG 221

### 3. Upper Division Advanced Core Courses (9 units):

- BUS 445. International Business (3)
- OMG 322. Operations Management (3)
- MGT 490. Strategic Management Seminar (3) \*Completion of all business core courses; BUS 445 may be taken concurrently (priority will be given to graduating seniors)

- FIN 360, MGT 310 and MKT 350
- OMG 321

## Concentration Requirements (27 units)

### A. Required Courses - (21 units):

- CIS 272. Business Programming I (3)
- CIS 275. Internet Literacy (3)
- CIS 372. Analysis and Logical Design (3)
- CIS 373. Database Systems (3)
- CIS 375. Data Communications (3)
- CIS 378. Information Security Theories and Practice (3)
- CIS 478. Firewall and Computer Network Security (3)

### Prerequisites:

- CIS 270 or CSC 111 or CSC 121 may be taken concurrently
- CIS 270 or CSC 111 or CSC 121 are recommended
- CIS 370 may be taken concurrently
- CIS 370. CIS 272 is recommended
- CIS 370
- CIS 272 or CIS 275, and CIS 370
- CIS 275 or CIS 375

### B. Electives - Select two courses from the following (6 units):

- CIS 482. Databases and Web Security (3)
- CIS 488. Management of Information Security (3)
- CIS 496. Internship in Computer Information Systems (3)

### Prerequisites:

- CIS 473 and CIS 478
- CIS 482 or may be taken concurrently
- Minimum GPA 3.0