

# CYBERSECURITY MAJOR

## Requirements for a Major in Cybersecurity

### Bachelor of Science

| Code  | Title                                | Hours        |
|---|--------------------------------------|--------------|
| <b>Foundation</b>   |                                      |              |
| CSEC 121  | Privacy and Security                 | 3            |
| CSEC 222  | Computer and Data Security           | 3            |
| CSEC 322  | System Security and Defense          | 3            |
| CSEC 323  | Software Security                    | 3            |
| CSCI 111  | Introduction to Computer Science     | 4            |
| CSCI 112  | Data Structures                      | 4            |
| CSCI 212  | Systems Programming                  | 4            |
| CSCI 330  | Network Architecture and Protocols   | 3            |
| <b>Ethics</b>   |                                      |              |
| Select one Ethics course from the following:                |                                      | 3            |
| PHIL 212  | Ethics                               |              |
| PHIL 216  | Organizational & Professional Ethic  |              |
| RELS 235  | Religious Ethics                     |              |
| RELS 237  | Christian Ethics                     |              |
| <b>Electives</b>  |                                      |              |
| Select three courses from the following:                    |                                      | 9-10         |
| CSEC 238  | Security Policy                      |              |
| CSEC 353  | Cryptography                         |              |
| CSEC 381  | Special Topics in Cybersecurity      |              |
| CSEC 382  | Special Topics in Cybersecurity      |              |
| CSCI 213  | Object-Oriented Programming          |              |
| CSCI 236  | Database Systems                     |              |
| CSCI 335  | Web Development                      |              |
| CSCI 350  | Operating Systems                    |              |
| <i>One of the following may be included as an elective:</i> |                                      |              |
| BUSN 111  | Foundations in Business              |              |
| CRIM 200  | Introduction to Criminology          |              |
| CSCI 210  | Introduction to Discrete Structures  |              |
| MATH 111  | Introduction to Statistics           |              |
| MATH 113  | Introduction to Statistics           |              |
| MATH 220  | Discrete Mathematics                 |              |
| PSCI 326  | U.S. Intelligence and Foreign Policy |              |
| PSCI 327  | International Terrorism              |              |
| <b>Total Hours</b>  |                                      | <b>39-40</b> |