# Cybersecurity (SEC) Major

## Required Courses

| Course | | Credits | Semester |
|---|---|---|---|
| BI 4213 | Christian Ethics | 3 | F, SP |
| LUSS 2093 | Impact of Internet Technologies on Society | 3 | F, SP |
| AC 2503 | Financial Accounting | 3 | F, SP, SU |
| CCT 1133 | Introduction to Computing | 3 | F |
| CCT 395V | Internship | 1-3 | F, SP, SU |
| CCT 461V | Senior Project | 3 | F, SP |
| CS 1013 | Scripting I | 3 | F, SP |
| CS 2243 | Database Management Systems | 3 | F, SP |
| CS 2343 | Advanced Scripting | 3 | SP |
| ENT 2503 | An Introduction to Business | 3 | F, SP, SU |
| IT 2223 | Web Application Development | 3 | F, SP |
| IT 2313 | Cloud Services | 3 | F |
| IT 3313 | Network Principles | 3 | F, SP |
| IT 3323 | Wireless Networks and Mobile Systems | 3 | F |
| IT 3433 | Operating Systems Management | 3 | F |
| MA 1314 | Calculus I | 4 | F, SP, SU |
| MA 2183 | Elementary Statistics | 3 | F, SP |
| MA 2103 | Discrete Mathematics | 3 | F, SP |
| SEC 3113 | Fundamentals of Information Security | 3 | F |
| SEC 3313 | Introduction to Policy and Procedure | 3 | F |
| SEC 3323 | Cryptography | 3 | F |
| SEC 3333 | Intro to Business Continuity | 3 | SP |
| SEC 3433 | Cyber Defense Competition | 3 | F |
| SEC 4113 | Penetration Testing | 3 | SP |
| SEC 4213 | Computer Forensics | 3 | SP |
| SEC 4313 | Database Security | 3 | SP |
| SEC 4323 | Network Security | 3 | SP |
| BY1003/CM1013/PH1013 | Foundations of Biology/Chemistry/Physics w/lab | 4 | F, SP, SU |
| SEC 3XX3/4XX3 | SEC/CS/IT/SENG/CCT Electives | 9 | F, SP |
| ENGR 0xx0 | Networking and Professional Development **Taken every semester | | |

**TOTAL: 84**

Advising notes:

NOTES: All students must achieve a C or above in prerequisite courses in order to progress to the next course.

**LIPSCOMB UNIVERSITY**
**SCHOOL of COMPUTING**

https://www.lipscomb.edu/academics/programs/cybersecurity