## Cybersecurity and Digital Forensics / BS Degree

# Suggested Course Sequence

For students entering the major in catalog year 2021-22

| YEAR 1   |   |        |  |        |
|----------|---|--------|--|--------|
| SEMESTER | FALL 2021   |        | SPRING 2022                                      |        |
|          | INT 100 Principles of Academic Integrity  | 0      |  |        |
|          | FYS 100 First Year Seminar  | 1      |  |        |
|          | ENG 151 College Writing I   | 3      | ENG 152 College Writing II                       | 3      |
|          | CDF 110 Cybersecurity and Digital Forensics   | ~      |  |        |
|          | Fundamentals<br>IS 140 Information Systems Architecture and                           | 3      | IS 231 Network Technologies                      | 3      |
|          | Design  | 3      | IS 240 Programming Concepts                      | 3      |
|          | Communication Intensive (CI)  | 3      | Humanities I* (HUM)                              | 3      |
|          | Quantitative Literacy (QL)  | 3-4    | SEE MATH or Science (QL, SR, or SR-L)            | 3-4    |
| CREDITS  | 16-17 CR  | REDITS | 15-16 0  |        |
| YEAR 2   | ·   |        |  |        |
| SEMESTER | FALL 2022   |        | SPRING 2023                                      |        |
|          | MGT 210 Business Writing  |        | IS 232 TCP and IP Communication Protocols for    |        |
|          | 200-level Writing Intensive (WI)  | 3      | Windows and UNIX (offered spring)                | 3      |
|          | CDF 251 Network Security  | 3      | CDF 240 Linux System Administration              | 3      |
|          | CDF 252 Networking II   | 3      | CDF 261 Digital Forensics                        | 3      |
|          | IS 235 Advanced Windows Server Architecture &<br>Administration                       | 3      | CDF 271 Intrusion and Penetration Testing        | 3      |
|          | Scientific Reasoning - Lab (SR-L)   | 4      | CDF 281 Advanced Network Defense                 | 3      |
| CREDITS  |   | REDITS | 15 CF  | REDITS |
| YEAR 3   |   |        |  |        |
| SEMESTER | FALL 2023   |        | SPRING 2024                                      |        |
|          |   |        | CDF 393 Forensic Evidence Collection Tools and   |        |
|          | CDF 290 Legal Aspects of Cybersecurity<br>CDF 391 Incident Response and Investigation | 3      | Techniques<br>CDF 475 Advanced Digital Forensics | 3      |
|          | CDF 392 Information Systems Forensics Internals-                                      | 3      | IS 365 Writing for IS Applications               | 5      |
|          | Auditing  | 3      | 300/400-level Writing Intensive (WI)             | 3      |
|          | Fine Arts (FA)  | 3      | Humanities II* (HUM)                             | 3      |
|          | Social Science I** (SS)   | 3      | General Elective                                 | 3      |
| CREDITS  | 15 CR   | REDITS | 15 CF  | REDITS |
| YEAR 4   |   |        |  |        |
| SEMESTER | FALL 2024   |        | SPRING 2025                                      |        |
|          | IS 432 Network Security-Firewalls, IDS, and   |        | CDF 480 Cybersecurity and Digital Forensics      |        |
|          | Counter Measures IS 350 IS Internship   | 3      | Capstone   | 3      |
|          |   | 3      | Humanities IV* (HUM)<br>Social Science II** (SS) | 3      |
|          | Humanities III* (HUM)   | -      | General Elective                                 | 3      |
|          | Business Elective: ACC, FIN, INBUS, MGT**, or MKT                                     | 3      | General Elective if needed                       | 3      |
|          | General Elective  | 3      |  | 5      |
| CREDITS  |   | REDITS | 12-15 CF   |        |

#### **PROGRAM POLICIES**

Specific information regarding program policies and tracks (if applicable) may be found in the Stevenson University Catalog. Please consult with your academic advisor/success coach if you need additional information.

Prerequisite and co-requisite information is listed in the course descriptions.

No student, regardless of major, will be permitted to advance to the next course without earning a grade of "C" or better in the prerequisite course(s). When a grade below a "C" is earned in a major course, the student must repeat that course. A course may be repeated once without special permission.

### **COURSE INFORMATION**

FYS-100 First Year Seminar 1-credit course required for all first year students.

INT-100

Principles of Academic Integrity O-credit Blackboard course required for all students.

SU0-101

Online Learning Strategies and Success O-credit Blackboard course to prepare for taking SU online classes.

MGT-204 Social Science\*\* (SS)

#### **GENERAL EDUCATION NOTES**

Stevenson Educational Experience (SEE) courses are identified in blue.

- Specific courses that fulfill SEE requirements are listed in the SU Catalog, on the SU Now Portal, and through Student Planning.
- Students must complete all SEE and major requirements and earn a minimum of 120 credits.
- A minimum of 15 credits must be taken at the 300/400 level.
- \*HUMANITIES classes must be from at least three different disciplines.
- \*\*SOCIAL SCIENCE classes must be from two different disciplines