

Bachelor of Applied Science in Cybersecurity (Effective Fall 2024)

| UNIVERSITY CORE REQUIREMENTS | | MAJOR CORE REQUIREMENTS | |
|---|-----------|--|------------|
| | HR | | HR |
| EN 1103 English Composition I or EN 1104 Expanded English Composition I | 3 | CSE 1011 Introduction to Computer Science and Engineering | 1 |
| EN 1113 English Composition II or EN 1173 Accelerated Composition II | 3 | CSE 1284 Introduction to Computer Programming | 4 |
| Creative Discovery (Any course satisfying Creative Discovery) | 3 | CSE 1384 Intermediate Computer Programming | 4 |
| Natural Lab Science (2 labs required from Gen Ed) Check course description to determine lab component | 3 | CSE 2213 Methods & Tools in Software Development | 3 |
| Natural Lab Science (2 labs required from Gen Ed) Check course description to determine lab component | 3 | CSE 3713 Introduction to Cybersecurity | 3 |
| MA 2113 Introduction to Statistics (or higher) | 3 | CSE 3763 Ethical and Legal Issues | 3 |
| Humanities (Any course satisfying Humanities) | 3 | CSE 4243 Information & Computer Security | 3 |
| Humanities (Any course satisfying Humanities) | 3 | CIS 3713 IT Forensics | 3 |
| Social/Behavioral Science (Any course satisfying Social/Behavioral Science) | 3 | CIS 4783 Cloud Computing and Security | 3 |
| Social/Behavioral Science (Any course satisfying Social/Behavioral Science) | 3 | CIS 4623 Cyber Risk Analysis | 3 |
| UNIVERSITY CORE REQUIREMENTS | 30 | CIS 3613 Cybersecurity Assessment, Authorization, Operations | 3 |
| DEPARTMENTAL NON-CSE REQUIREMENTS | | CIS 2713 System Administration | 3 |
| CO 1003 Fundamentals of Public Speaking (or CO 1013) | 3 | CIS 3263 Web Application Security | 3 |
| BIS 3753 Business Database Systems (or TECH 2123 Database Management or CSE 4503 Database Management Systems) | 3 | CIS 4813 BAS Major Capstone Project I | 3 |
| | | CIS 4823 BAS Major Capstone Project II | 3 |
| GE 3513 Technical Writing | 3 | University Electives: Any upper-level CSE, CIS, ECE, MA course | 18 |
| | | Cybersecurity Electives: (Select 5 from the list below) | |
| TECH 4563 Introduction to Data Networks (or CSE 4153) | 3 | BIS 3233 Introduction to Management Information Systems | |
| DEPARTMENTAL NON-CSE REQUIREMENTS | 12 | BIS 4113 Business Information Systems Security Management | |
| | | CSE 3723 Computer Organization | |
| | | CSE 4253 Secure Software Engineering | |
| | | CSE 4363 Software Reverse Engineering | |
| | | CSE 4773 Introduction to Cyber Operations | |
| | | CSE 4383 Network Security | 15 |
| | | TOTAL CSE REQUIREMENTS | 78 |
| TOTAL HOURS IN THE B.A.S CYBERSECURITY PROGRAM | | | 120 |