

College of Engineering, Informatics, and Applied Sciences

Cybersecurity Bachelor of Science

2022-2023 Undergraduate Catalog

Progression Plan-Classic

Sample Progression Plans are for planning purposes only; see the catalog for official details.

| Year 1 - Fall | |
|--|---|
| CYB 126 Secure Design I | 4 |
| CS 105 Computing Tools I | 1 |
| CS 112 Introduction To The World Wide Web And Internet | 3 |
| MAT 121 or MAT 136 | 4 |
| English Foundation | 4 |

| Year 1 - Spring | |
|----------------------------------|---|
| CYB 136 Secure Design II | 4 |
| CS 212 Web Programming I | 3 |
| MAT 226 Discrete Mathematics | 3 |
| CCJ 101 or JUS 110 | 3 |
| Liberal Studies and/or Diversity | 3 |

| Year 2 - Fall | |
|-------------------------------------|---|
| CS 345 Database Systems | 3 |
| CS 205 Computing Tools II | 1 |
| CS 312 Web Programming II | 3 |
| CCJ 250 or JUS 120 | 3 |
| Liberal Studies Lab Science Lecture | 3 |
| Liberal Studies Lab Science Lab | 1 |

| Year 2 - Spring | |
|----------------------------------|---|
| CYB 310 Malware Analysis | 3 |
| STA 270 or STA 275 | 3 |
| EGR 333W Technology And Society | 3 |
| CYB Major Elective | 3 |
| Liberal Studies and/or Diversity | 3 |

| Year 3 - Fall | |
|---|---|
| CYB 402 Applied Cryptography | 3 |
| CS 305 Computing Tools III | 1 |
| INT 301 Intelligence And National Security | 3 |
| BBA 355 Management Of Information Technology Function | 3 |
| BBA 303 Business Management Fundamentals | 3 |
| General Elective Course | 3 |

| Year 3 - Spring | |
|---|---|
| CYB 404 Network Security | 3 |
| INT 315 Intelligence Collection, Analysis And Technology | 3 |
| BBA 370 Administration Of Information Technology Security And Assurance | 3 |
| CYB Major Elective | 3 |
| Liberal Studies and/or Diversity | 3 |

| Year 4 - Fall | |
|----------------------------------|---|
| CYB 410 Secure Software | 3 |
| CYB 412 Secure Hardware | 3 |
| CYB Major Elective | 3 |
| Liberal Studies and/or Diversity | 3 |
| General Elective Course | 3 |

| Year 4 - Spring | |
|----------------------------------|---|
| CYB 486C Capstone Experience | 4 |
| CYB Major Elective | 3 |
| Liberal Studies and/or Diversity | 3 |
| General Elective Course | 3 |