

Program Degree Type and Name: Bachelor of Science in Cybersecurity

Catalog Year: 2021- 2022

Program Level: Undergraduate

Academic Term Type: Semester

** Denote core course with an asterisk and (cc) next to the course number*

| Year and Term: Year 1 Fall term | | Credits Per Classification | | | | | |
|---|-----------|----------------------------|-----|----|----|----------------------|--|
| Course Number & Title | CR | GE | Maj | OE | SM | Co / Prerequisite(s) | |
| ENGL111: Written Engl and Lit Studies I | 3 | x | | | | | |
| CINQ 101 Critical Inquiry | 3 | x | | | | | |
| MATH116: College Algebra | 3 | x | | | | | |
| CISC120: Intro Computers & App Software | 3 | x | | | | | |
| Gen Ed or ENGL 110 | 3 | x | | | | | |
| Term Credit Total: | 15 | 15 | | | | | |

| Year and Term: Year 2 Fall term | | Credits Per Classification | | | | | |
|--------------------------------------|-----------|----------------------------|----------|----|----|----------------------|--|
| Course Number & Title | CR | GE | Maj | OE | SM | Co / Prerequisite(s) | |
| MATH244: Discrete Structures | 3 | | x | | | MATH 201 | |
| CISC231: Foundations of Computing II | 3 | x | | | | CISC 131 | |
| IASP230: Intro to Cybersecurity | 3 | | x | | | | |
| Gen Ed | 3 | x | | | | | |
| Gen Ed | 3 | x | | | | | |
| Term Credit Total: | 15 | 9 | 6 | | | | |

| Year and Term: Year 3 Fall term | | Credits Per Classification | | | | | |
|---|-----------|----------------------------|----------|----|----|---------------------------|--|
| Course Number & Title | CR | GE | Maj | OE | SM | Co / Prerequisite(s) | |
| JRSM301 : Junior Seminar | 3 | x | | | | ENGL112, SPCM110, MATH116 | |
| CISC337: Database Management System | 3 | | x | | | CISC 231 | |
| IASP355: Pen. Testing & Ethical Hacking | 3 | | x | | | IASP221 | |
| Gen Ed | 3 | x | | | | | |
| Gen Ed | 3 | x | | | | | |
| Term credit total: | 15 | 9 | 6 | | | | |

| Year and Term: Year 4 Fall term | | Credits Per Classification | | | | | |
|------------------------------------|-----------|----------------------------|-----------|----------|----|----------------------|--|
| Course Number & Title | CR | GE | Maj | OE | SM | Co / Prerequisite(s) | |
| IASP420: Network Security | 3 | | x | | | CISC335 | |
| IASP455: Sec. & Intel. Programming | 3 | | x | | | CISC 231 & CISC 339 | |
| Major Elective | 3 | | x | | | | |
| Major Elective | 3 | | x | | | | |
| Open Elective | 3 | | | x | | | |
| Term Credit Total: | 15 | | 12 | 3 | | | |

| Year and Term: Year 1 Spring term | | Credits Per Classification | | | | | |
|--|-----------|----------------------------|-----|----|-------------|-----------------------------------|--|
| Course Number & Title | CR | GE | Maj | OE | SM | Co / Prerequisite(s) | |
| ENGL112: Written Engl and Lit Studies II | 3 | x | | | | ENGL111 | |
| MATH201: Precalculus | 3 | x | | | | MATH116 or B or higher in Algebra | |
| CISC131: Foundations of Computing I | 3 | x | | | B or higher | | |
| COMM 110: Oral Communication | 3 | x | | | | | |
| Gen Ed | 3 | x | | | | | |
| Term Credit Total: | 15 | 15 | | | | | |

| Year and Term: Year 2 Spring term | | Credits Per Classification | | | | | |
|--|-----------|----------------------------|----------|----|-------------|----------------------|--|
| Course Number & Title | CR | GE | Maj | OE | SM | Co / Prerequisite(s) | |
| MATH122: Statistics | 3 | x | | | | MATH 116 | |
| IASP221: Linux Administration | 3 | | x | | B or higher | CISC131 | |
| IASP330: Dis. Recovery & Bus. Continuity | 3 | | x | | | IASP 230 | |
| Gen Ed | 3 | x | | | | | |
| Gen Ed | 3 | x | | | | | |
| Term Credit Total: | 15 | 9 | 6 | | | | |

| Year and Term: Year 3 Spring term | | Credits Per Classification | | | | | |
|--|-----------|----------------------------|----------|----------|----|----------------------|--|
| Course Number & Title | CR | GE | Maj | OE | SM | Co / Prerequisite(s) | |
| CISC385: Cryptography | 3 | | x | | | MATH244 | |
| CISC335: Computer Network | 3 | | x | | | CISC231 | |
| IASP340 Security Policy and Procedures | 3 | | x | | | | |
| Gen Ed | 3 | x | | | | | |
| Open Elective | 3 | | | x | | | |
| Term Credit Total: | 15 | 3 | 9 | 3 | | | |

| Year and Term: Year 4 Spring term | | Credits Per Classification | | | | | |
|--|-----------|----------------------------|----------|----------|----|----------------------|--|
| Course Number & Title | CR | GE | Maj | OE | SM | Co / Prerequisite(s) | |
| * IASP470 (cc): Capstone (System Sec.) | 3 | | x | | | CISC 335 & IASP 355 | |
| IASP430: Digital Forensics | 3 | | x | | | IASP 355 | |
| Major Elective | 3 | | x | | | | |
| Open Elective | 3 | | | x | | | |
| Open Elective | 3 | | | x | | | |
| Term Credit Total: | 15 | | 9 | 6 | | | |

| | | | | |
|-----------------------|--------------|-----------------------|----------------------------|-------------------|
| Program Totals | Credits: 120 | General Education: 60 | Major & Major Elective: 48 | Open Elective: 12 |
|-----------------------|--------------|-----------------------|----------------------------|-------------------|

Legend: CR: Credits GE: General Education Maj: Major / Major Elective OE: Open Elective SM: Success Marker Co/Prerequisite(s): List of co/ prerequisites for noted course