



**Bachelor of Science in:
Cybersecurity**

**For Students Following the:
2024-2025 catalog**

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| Name: |
| Student ID: |
| Catalog Year: |

| SUPPORT COURSES (9 Hours) | | | | | |
|----------------------------------|-------------------------------------|--|------|-------|--|
| Course | Pre-req | Credits | Term | Grade | |
| MAT 185 | Introductory Discrete Mathematics | MAT 103 or placement | 3 | | |
| STA 205 | Statistical Methods | MAT 101 or placement | 3 | | |
| OR STA 205R | Statistical Methods with Recitation | | 3 | | |
| PHI 310 | Information Ethics | Sophomore Standing or Instructor Consent | 3 | | |

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| Successful Completion of STA 205 DSST |
| Successful Completion of PHI 310 DSST |

| INFORMATICS CORE COURSES (17 Hours) | | | | | |
|--|--|---|------|-------|--|
| Course | Pre-req | Credits | Term | Grade | |
| INF 100 | Orientation to College of Informatics | Freshman Standing or Dept. Approval | 1 | | |
| INF 201 | Foundations of Informatics Professionals | Sophomore Standing | 1 | | |
| INF 120 | Elementary Programming (or placement) | MAT 102 or MAT 114 or placement | 3 | | |
| INF 284* | Introduction to Computer Networks | MAT 102 or placement & INF 110 or INF 120 or CIT 130 | 3 | | |
| INF 286 | Introduction to Web Development | MAT 103 & INF 110 or INF 120 or CSC 260 (pre-req or co-req) | 3 | | |
| BIS 300 | Management Information Systems | Sophomore standing or BUS 101 or BIS 275; STA 205 or STA 205R, or STA 250; & BIS 101 or BI Department Consent | 3 | | |
| BIS 382 | Information Security Management | BIS 300 | 3 | | |

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| Successful INF 120 CPLE |
| Successful INF 286 CPLE |
| Successful BIS 300 DSST Exam |

| CYBERSECURITY CORE COURSES (18 Hours) | | | | | |
|--|---------------------------------|--|------|-------|--|
| Course | Pre-req | Credits | Term | Grade | |
| CYS 285* | Cybersecurity Fundamentals | CIT 130, CIT 171 & CIT 247 or INF 284 | 3 | | |
| CYS 310 | Cybersecurity Risk Management | CYS 285 or CYS 320 | 3 | | |
| CYS 330 | Introduction to Ethical Hacking | CYS 285 | 3 | | |
| CYS 385 | Cybersecurity Analysis I | INF 120, CIT 271 or CIT 371, & CYS 285 | 3 | | |
| CYS 444 | Software Security | CYS 285 or CYS 320 & CSC 362 | 3 | | |
| CYS 485 | Cybersecurity Analysis II | CYS 385 | 3 | | |

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| COMPUTER INFORMATION TECHNOLOGY CORE COURSES (7 Hours) | | | | | |
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| Course | Pre-req | Credits | Term | Grade | |
| CIT 130 | Information Technology Fundamentals | MAT 101 or placement & ENG 101 Ready | 3 | | |
| CIT 171 | Introduction to Linux | ENG 101 Ready | 1 | | |
| CIT 371* | Linux System Administration | INF 120, CIT 130, & CIT 171 | 3 | | |

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| Successful Completion of CIT 371 CPLE |

EXPERIENTIAL LEARNING REQUIREMENT (0-6 Hours)

Students are required to enroll in & pass one experiential learning experience. There is no minimum number of credit hours for this requirement. The experiential component can be used to fulfill one of the Guided Elective Requirements above if taken for credit.

| Course | | Pre-req | Credits | Term | Grade |
|-------------------------|----------------------------------|---|------------|------|-------|
| CYS/CSC/CIT 292/392/492 | Research Experience | See Catalog | 0-3 | | |
| CYS/CSC/CIT 296/396 | Practicum | See Catalog | 0-3 | | |
| CYS 305 | Peer Teaching Assistant Training | See Catalog | 3 | | |
| CEP 300 | Cooperative Education | | 1-3 | | |
| SCI 393 | STEM Ambassadors | First Year STEM Major Courses Complete, 3.0 GPA, Instructor Consent | 0-1 | | |

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*** Students with the current certification** (at the time of registering the class(es)) can have course credits based on the following course mappings:**

- CompTIA Linux+ → CIT 371 Unix Systems
- CompTIA Network+ → INF 284: Introduction to Computer Networks
- CompTIA Security+ → CYS 285: Cybersecurity Fundamentals

Students need to have a copy of their certification stored in their student file to obtain the above course credits.

Students must have a grade of "C-" or better to meet pre-requisites for all courses unless otherwise indicated.

Students also must earn a grade of "C-" or better and a 2.00 GPA in all courses that apply to the major.

Please consult with your advisor and the appropriate University Course Catalog for all other degree requirements.