



**Bachelor of Science in:
Information Technology**

For students on the following catalogs:
2024-2025
2025-2026

Name:
Student ID:
Catalog Year:

SUPPORT COURSES (9 Hours)						Notes
Course		Pre-req	Credits	Term	Grade	
STA 205 OR STA 205R OR STA 250	Statistical Methods Statistical Methods with Recitation Probability and Statistics I	MAT 101 or placement MAT 129 or co-req MAT 227	3 3			Successful STA 205 DSST
PHI 310	Information Ethics	Sophomore Standing or Instructor Permission	3			Successful PHI 310 DSST
ENG 347	Technical Writing	ENG 102, HNR 102, or equivalent	3			

CORE COURSES (29 Hours)						Notes
Course		Pre-req	Credits	Term	Grade	
INF 100	Orientation to College of Informatics	Freshman standing or Department Approval	1			
INF 120	Elementary Programming (or placement)	MAT 102 or MAT 114 or placement	3			Successful INF 120 CPLE
INF 282 OR CSC 350	Introduction to Databases Database Programming	MAT 102 (≥ C) or placement CSC 360	3 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			Successful INF 286 CPLE
CIT 130*	Information Technology Fundamentals	MAT 101 or placement & ENG 101 Ready	3			
CIT 171	Introduction to Linux	ENG 101 Ready	1			
CIT 271*	Windows Administration	INF 120 & INF 284 or CIT 247	3			
CYS 285*	Cybersecurity Fundamentals	CIT 130 & CIT 171 & INF 284 or CIT 247	3			
CIT 371*	Linux System Administration	INF 120 & CIT 130 & CIT 171	3			Successful CIT 371 CPLE
CIT 383*	Scripting I	INF 120 & CIT 271 & CIT 371	3			

Students will select ONE of the following specialization tracks to fulfill their major requirements.

NETWORK AND SYSTEM ADMINISTRATION TRACK (18 Hours)					
Course		Pre-req	Credits	Term	Grade
CIT 247*	Networking Fundamentals	CIT 130 & CIT 171 & INF 284	3		
CIT 447*	Network Design/Troubleshooting	CIT 247	3		
CIT 438	Cloud Computing	CIT 371	3		
CIT 470	Advanced Network & System Admin.	CIT 271 & CIT 371 & CIT 383	3		
CYS 484*	Network Security	INF 284 & CYS 285	3		
CIT 3xx-4xx*			3		

Notes
Successful CIT 247 Competency Exam

CLOUD AND SYSTEM ADMINISTRATION TRACK (18 Hours)					
Course		Pre-req	Credits	Term	Grade
CIT 436	Web Server Administration	CIT 371	3		
CIT 438	Cloud Computing	CIT 371	3		
CIT 470	Advanced Network & System Admin.	CIT 271 & CIT 371 & CIT 383	3		
CIT 472*	Database Administration	INF 282 & CIT 271 & CSC 260 or CIT 383	3		
CIT 3xx-4xx*			3		
CIT 3xx-4xx*			3		

Notes

CYS 439 may count as one CIT 3xx-4xx elective

CYBERSECURITY TRACK (18 Hours)					
Course		Pre-req	Credits	Term	Grade
CYS 330	Introduction to Ethical Hacking	CYS 285	3		
CYS 385	Cybersecurity Analysis I	INF 120 & CYS 285	3		
CYS 484*	Network Security	INF 284 & CYS 285	3		
CYS 485	Cybersecurity Analysis II	CYS 385	3		
CIT/CYS 3xx-4xx*			3		
CIT/CYS 3xx-4xx*			3		

Notes

ISBA382, CSC 482, and/or CSC 483 may count as electives

GENERAL TRACK (18 Hours)					
Course		Pre-req	Credits	Term	Grade
CYS 330 OR CYS 385	Introduction to Ethical Hacking Cybersecurity Analysis I	CYS 285 INF 120 & CYS 285	3 3		
CIT 436 OR CIT 438	Web Server Administration Cloud Computing	CIT 371 CIT 371	3 3		
CIT 470 OR CIT 472*	Advanced Network & System Admin. Database Administration	CIT 271 & CIT 371 & CIT 383 INF 282 & CIT 271 & CSC 260 or CIT 383	3 3		
CIT/CYS 3xx-4xx*			3		
CIT/CYS 3xx-4xx*			3		
CIT/CYS 3xx-4xx*			3		

Notes

CIT 247 and CSC 481 may count as electives

No more than 6 hours of CIT 392/399/492/499 can count toward the major.

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

- CompTIA A+ → CIT 130: Information Technology Fundamentals
- CompTIA Linux+ → CIT 371: Linux System Administration Systems
- CompTIA Network+ → INF 284: Introduction to Computer Networks
- CompTIA Security+ → CYS 285: Cybersecurity Fundamentals
- Cisco Certified Entry Networking → CIT 247: Networking Fundamentals
- Cisco CCNP Security Core Exams → CYS 484: Networking Security
- Cisco CCNA Exam → CIT 247: Networking Fundamentals & CIT 447: Network Design/Troubleshooting
- OCA Oracle Certified Associate → CIT 472: Database Administration
- AWS Certified Cloud Practitioner → CIT 300T: Computer Information Technology Transfer Elective

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

**Except for Security+ exams SY0-401 and below. These exams have no hands-on component, so students with these certifications will be required to take CYS 285.

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.