



**Bachelor of Science in:
Information Technology**

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

Name:
Student ID:
Catalog Year:

SUPPORT COURSES (9 Hours)					
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 3		
PHI 310	Information Ethics	Sophomore Standing or Instructor Consent	3		
ENG 347	Technical Writing	ENG 102, HNR 102, or equivalent	3		

Notes
Successful STA 205 DSST
Successful PHI 310 DSST

CORE COURSES (29 Hours)					
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 or CIT 371	3		

Notes
Successful INF 120 CPLE
Successful INF 286 CPLE
Successful CIT 371 CPLE

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		

Notes
Successful CIT 247 Competency Exam

CIT 447*	Network Design/Troubleshooting	CIT 247	3		
CIT 470	Advanced Network & System Admin.	CIT 271 & CIT 371 & CIT 383	3		
CYS 484*	Network Security	INF 284 & CYS 285	3		
CIT 438	Cloud Computing	CIT 371	3		
CIT 3xx-4xx			3		

CLOUD & 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 & CIT 271 or CIT 371	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

BIS 382, 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 & CIT 271 or CIT 371	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

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 CIT 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.