Bachelor of Science in:
Computer Information Technology

For Students Following the:
2023-2024 catalog

Name:
Student ID:
Catalog Year:

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

CORE COURSES (29 Hours)						OFFICE USE ONLY
	Course	**Pre-req**	**Credits**	**Term**	**Grade**	**Approved Exceptions**
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**	Introduction to Databases	MAT 102 (≥ C)	3			
CSC 350	Database Programming	CSC 360	3			
INF 284*	Introduction to Computer Networks	MAT 103 & 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 & ENG 101R or placement	3			
CIT 171	Introduction to Linux	ENG 101 or ENG 101R or placement	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*	Unix Systems	INF 120, CIT 130, CIT 171 & INF 284 or CIT 247	3			**Successful CIT 371 CPLE**
CIT 383*	Scripting I	INF 120 & CIT 271 or CIT 371	3			

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

NETWORK AND SYSTEM ADMINISTRATION TRACK (18 Hours)						OFFICE USE ONLY
	Course	**Pre-req**	**Credits**	**Term**	**Grade**	**Approved Exceptions**
CIT 247*	Networking Fundamentals	CIT 130 & CIT 171 & INF 284	3			**Successful CIT 247 Competency Exam**

			Credits	Term	Grade	Approved Exceptions
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)						OFFICE USE ONLY
Course		**Pre-req**	**Credits**	**Term**	**Grade**	**Approved Exceptions**
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			

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

** Cloud & System Admin. Track is available in a fully-online format*

CYBERSECURITY TRACK (18 Hours)						OFFICE USE ONLY
Course		**Pre-req**	**Credits**	**Term**	**Grade**	**Approved Exceptions**
CYS 330	Introduction to Ethical Hacking	CYS 285	3			
CYS 385	Cybersecurity Analysis I	INF 120, CIT 271, & 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			

BIS 382, CSC 482, and/or CSC 483 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 Linux+ → CIT 371 Unix 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.