Bachelor of Science in:
Computer Information Technology
For Students Following the:
2021-2022 catalog

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

SUPPORT COURSES (9 Hours)						OFFICE USE ONLY
Course		**Pre-req**	**Credits**	**Term**	**Grade**	**Approved Exceptions**
STA 205	Statistical Methods	MAT 101 and ENG 101R or RDG 110 or placement	3			**Successful Completion of STA 205 DSST**
OR						
STA 205R	Statistical Methods with Recitation		3			
OR						
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 Completion of 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 Completion of INF 120 CPLE**
INF 282	Introduction to Databases	MAT 102 (≥ C)	3			
OR						
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 Completion of INF 286 CPLE**
CIT 130	Information Technology Fundamentals	MAT 102 and 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			
CIT 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 Completion of 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 completion of 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			
CIT 484*	Network Security	CIT 247 & CIT 285 or CIT 480	3			
CIT 3xx-4xx			3			
CIT 3xx-4xx			3			

WEB & DATABASE ADMINISTRATION TRACK (18 Hours)						OFFICE USE ONLY
Course		**Pre-req**	**Credits**	**Term**	**Grade**	**Approved Exceptions**

	Course	Pre-req	Credits	Term	Grade	Approved Exceptions
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110, INF 120, CSC 270 or placement	3			**Successful Completion of CSC 260 CPLE**
CSC 360 **OR**	Object-Oriented Programming II	CSC 260 & MAT 119 (≥ B-)	3			**Successful Completion of CSC 360 CPLE**
CIT 483	Scripting II	CIT 371 & CIT 383	3			
ASE 230	Server-Side Programming	INF 286 & CSC 260 or CIT 383 (pre-req or co-req)	3			
CIT 436	Web Server Administration	CIT 371	3			
CIT 472*	Database Administration	INF 282, CIT 271 & either CSC 260 or CIT 383	3			
CIT 3xx-4xx **OR**			3			
ASE 456	Cross-Platform Development	ASE 220 or ASE 230 & Junior Standing	3			

CYBERSECURITY 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			
CIT 430	Computer Forensics	CIT 371 & CIT 285 or BIS 382, OR CIT 480 only	3			
CIT 484*	Network Security	CIT 247 & CIT 285 or CIT 480	3			
CIT 485	Advanced Cybersecurity	CIT 371 & CIT 285 or CIT 480	3			
CIT/CYS	3xx-4xx		3			
CIT/CYS	3xx-4xx		3			

BIS 382, CSC 482, and/or CSC 483 may count as electives

NON-SPECALIST TRACK (18 Hours)						**OFFICE USE ONLY**
	Course	**Pre-req**	**Credits**	**Term**	**Grade**	**Approved Exceptions**
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110, INF 120, CSC 270 or placement	3			**Successful Completion of CSC 260 CPLE**
CSC 360 **OR**	Object-Oriented Programming II	CSC 260 & MAT 119 (≥ B-)	3			**Successful Completion of CSC 360 CPLE**
CIT 483	Scripting II	CIT 371 & CIT 383	3			
CIT 436 **OR**	Web Server Administration	CIT 371	3			
CIT 472* **OR**	Database Administration	INF 282, CIT 271 & either CSC 260 or CIT 383	3			
CIT 438	Cloud Computing	CIT 371	3			
CIT 470 **OR**	Advanced Network & System Admin.	CIT 383 & CIT 271 & CIT 371	3			
CIT 485	Advanced Cybersecurity	CIT 285 or CIT 480 & CIT 371	3			
CIT/CYS	3xx-4xx		3			
CIT/CYS	3xx-4xx		3			

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
- Cisco Certified Entry Networking→CIT 247: Networking Fundamentals
- Cisco CCNP Security Core Exams → CIT 484: Networking Security
- Cisco CCNA Exam → CIT 247: Networking Fundamentals & CIT 447: Network Design/Troubleshooting

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.