



**Bachelor of Science in:
Computer Information Technology
For Students Following the:
2020-2021 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 and ENG 101R or RDG 110 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		

OFFICE USE ONLY
Approved Exceptions
Successful Completion of STA 205 DSST
Successful Completion of PHI 310 DSST

CORE COURSES (28 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 placement	3		Successful Completion of INF 120 CPLE
INF 282 OR CSC 350	Introduction to Databases Database Programming	MAT 102 (≥ C) CSC 360	3 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 271	Windows Administration	INF 120 & INF 284 or CIT 247	3		
CIT 285*	Cybersecurity Fundamentals	CIT 130 & INF 284 or CIT 247	3		
CIT 371	Unix Systems	INF 120, CIT 130, & INF 284 or CIT 247	3		Successful Completion of CIT 371 CPLE
CIT 383	Scripting I	INF 120 & CIT 271 or CIT 371	3		

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Approved Exceptions
Successful Completion of INF 120 CPLE
Successful Completion of INF 286 CPLE
Successful Completion of 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 & 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		

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Approved Exceptions
Successful completion of CIT 247 Competency Exam

WEB & DATABASE ADMINISTRATION TRACK (18 Hours)

Course		Pre-req	Credits	Term	Grade
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110, INF 120, CSC 270 or placement	3		
CSC 360	Object-Oriented Programming II	CSC 260 & MAT 119 (≥ B-)	3		
OR CIT 483	Scripting II	CIT 371 & CIT 383	3		
ASE 230	Server-Side Programming	INF 286	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 ASE 456	Cross-Platform Development	ASE 220 & Junior Standing	3		

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Approved Exceptions
Successful Completion of CSC 260 CPLE

CYBERSECURITY TRACK (18 Hours)

Course		Pre-req	Credits	Term	Grade
CIT 247*	Networking Fundamentals	CIT 130 & 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 3xx-4xx			3		
CIT 3xx-4xx			3		

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Approved Exceptions

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

NON-SPECIALIST TRACK (18 Hours)

Course		Pre-req	Credits	Term	Grade
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110, INF 120, CSC 270 or placement	3		
CSC 360	Object-Oriented Programming II	CSC 260 & MAT 119 (≥ B-)	3		
OR CIT 483	Scripting II	CIT 371 & CIT 383	3		
CIT 436	Web Server Administration	CIT 371	3		
OR CIT 472*	Database Administration	INF 282, CIT 271 & either CSC 260 or CIT 383	3		
OR CIT 438	Cloud Computing	CIT 371	3		
CIT 470	Advanced Network & System Admin.	CIT 383 & CIT 271 & CIT 371	3		
OR CIT 485	Advanced Cybersecurity	CIT 285 or CIT 480 & CIT 371	3		
CIT 3xx-4xx			3		
CIT 3xx-4xx			3		

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Approved Exceptions
Successful Completion of CSC 260 CPLE

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:

- CCNA Routing and Switching → CIT 247: Networking Fundamentals and CIT 447: Network Design/Troubleshooting
- CCNA Security → CIT 247: Networking Fundamentals and CIT 484: Network Security
- Security+ (Only valid for certification exams versions SY0-501 and later for hands-on test)→CIT 285: Cybersecurity Fundamentals
- 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 in all courses that apply to the major and a minimum 2.00 major GPA. Please consult with your advisor and the appropriate University Course Catalog for all other degree requirements.