



Bachelor of Science in:
Computer Information Technology
For Students Following the:
2017-2018 catalog
2018-2019 catalog

Name:
Student ID:
Catalog Year:

SUPPORT COURSES (9 Hours)				
Course	Pre-req	Credits	Term	Grade
STA 205	Introduction to Statistical Methods	MAHD099 or MAHD095 or MAHD092 or placement	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	
ENG 347	Technical Writing	ENG 102	3	

OFFICE USE ONLY
Approved Exceptions
Successful Completion of STA 205 DSST

CORE COURSES (27 Hours)				
Course	Pre-req	Credits	Term	Grade
INF 120	Elementary Programming (or placement)	MAHD099	3	
INF 282	Introduction to Databases	MAHD099 (≥ C)	3	
INF 286	Introduction to Web Development	MAT 109 & INF 110 or INF 120 or CSC 260	3	
CIT 130	Information Technology Fundamentals	MAHD099	3	
CIT 247*	Networking Fundamentals	CIT 130	3	
CIT 271	Windows Administration	CIT 247 & INF 120	3	
CIT 285*	Cybersecurity Fundamentals		3	
CIT 371	Unix Systems	CIT 247 or INF 284 & INF 120	3	
CIT 383	Scripting I	CIT 271 or CIT 371 & INF 120	3	

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Approved Exceptions
Successful Completion of INF 120 CPLE
Successful Completion of INF 286 CPLE
Successful Completion of CIT 247 Competency Exam

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 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	
CIT 3xx-4xx			3	

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WEB & DATABASE ADMINISTRATION TRACK (18 Hours)				
Course	Pre-req	Credits	Term	Grade
CSC 260	Object-Oriented Programming I	MAT 109 & INF 110 or INF 120	3	

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Successful Completion of CSC 260 CPLE

CSC 360 OR CIT 483	Object-Oriented Programming II Scripting II	CSC 260 & MAT 119 (≥ B-) CIT 371 & CIT 383	3 3		
CSC 301	Web Programming	CSC 260 or CIT 383 & INF 286 & INF 282	3		
CIT 436	Web Server Administration	INF 286 & CIT 371	3		
CIT 472*	Database Administration	CSC 260 or CIT 383 & INF 282 & CIT 271	3		
CIT 3xx-4xx OR CSC 456	Advanced Web Application Dev	CSC 301 & CSC 360	3		

CYBERSECURITY TRACK (18 Hours)					
Course		Pre-req	Credits	Term	Grade
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 285 or CIT 480 & CIT 371	3		
CIT 3xx-4xx			3		
CIT 3xx-4xx			3		
CIT 3xx-4xx			3		

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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 109 & INF 110 or INF 120	3		
CSC 360 OR CIT 483	Object-Oriented Programming II Scripting II	CSC 260 & MAT 119 (≥ B-) CIT 371 & CIT 383	3 3		
CIT 436 OR CIT 472*	Web Server Administration Database Administration	INF 286 & CIT 371 CSC 260 or CIT 383 & INF 282 & CIT 271	3 3		
CIT 438	Cloud Computing	CIT 371	3		
CIT 470 OR CIT 485	Advanced Network & System Admin. Advanced Cybersecurity	CIT 383 & CIT 271 & CIT 371 CIT 285 or CIT 480 & CIT 371	3 3		
CIT 3xx-4xx			3		
CIT 3xx-4xx			3		

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Successful Completion of CSC 260 CPLE

*** 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 SYO-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.