Bachelor of Science in:

Computer Information Technology

For Students Following the: 2019-2020 catalog

Name:	
Student ID:	
Catalog Year:	

SUPPORT COURSES (9 Hours)						OFFICE USE ONLY
Course		**Pre-req**	**Credits**	**Term**	**Grade**	**Approved Exceptions**
STA 205	Introduction to 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			
ENG 347	Technical Writing	ENG 102	3			

CORE COURSES (28 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 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	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 284 or CIT 247 & INF 120	3			
CIT 285*	Cybersecurity Fundamentals	CIT 130 & either CIT 247 or INF 284	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			

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 & 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**
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110 or INF 120	3			**Successful Completion of CSC 260 CPLE**

	Course	Pre-req	Credits	Term	Grade	Approved Exceptions
CSC 360 **OR**	Object-Oriented Programming II	CSC 260 & MAT 119 (≥ B-)	3			
CIT 483	Scripting II	CIT 371 & CIT 383	3			
CSC 301	Web Programming	CSC 260 or CIT 383 & INF 286 & INF 282 or CSC 350	3			
CIT 436	Web Server Administration	INF 284 & CIT 371	3			
CIT 472*	Database Administration	INF 282, CIT 271 & either CSC 260 or CIT 383	3			
CIT 3xx-4xx **OR**			3			
CSC 456	Advanced Web Application Dev	CSC 301 & CSC 360	3			

CYBERSECURITY TRACK (18 Hours)						**OFFICE USE ONLY**
	Course	**Pre-req**	**Credits**	**Term**	**Grade**	**Approved Exceptions**
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 285 or CIT 480 & CIT 371	3			
CIT 3xx-4xx			3			
CIT 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 or MAT 109 & INF 110 or INF 120	3			**Successful Completion of CSC 260 CPLE**
CSC 360 **OR**	Object-Oriented Programming II	CSC 260 & MAT 119 (≥ B-)	3			
CIT 483	Scripting II	CIT 371 & CIT 383	3			
CIT 436 **OR**	Web Server Administration	INF 284 & CIT 371	3			
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 **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 3xx-4xx			3			
CIT 3xx-4xx			3			

* 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.