



Undergraduate Certificates Checklist

For Students Following the:
2022-2023 catalog

Name:
Student ID:
Catalog Year:

CYBERSECURITY CERTIFICATE (22 Hours)				
Course	Pre-req	Credits	Term	Grade
CIT 130	Information Technology Fundamentals	MAT 101 or placement & ENG 101R or placement	3	
CIT 171	Introduction to Linux	ENG 101 or ENG 101R or placement	1	
INF 282 OR CSC 350	Introduction to Databases Database Programming	MAT 102 (≥ C) or placement CSC 360	3 3	
INF 284 OR CIT 247	Introduction to Computer Networks Networking Fundamentals	MAT 103 & INF 110 or INF 120 or CIT 130 CIT 130, CIT 171 & INF 284	3 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	
CYS 485	Cybersecurity Analysis II	CYS 385	3	
BIS 382	Information Security Management	BIS 300	3	

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Approved Exceptions
Successful completion of CIT 247 Competency Exam
Successful Completion of CIT 371 CPLE

SOFTWARE DEVELOPMENT CERTIFICATE (21 Hours)				
Course	Pre-req	Credits	Term	Grade
INF 120	Elementary Programming (or placement)	MAT 102 or MAT 114 or placement	3	
INF 282	Introduction to Databases	MAT 102 (≥ C) or placement	3	
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110, INF 120 or CSC 270	3	
CSC 360	Object-Oriented Programming II	CSC 260 & MAT 119 (≥ B-)	3	
CSC 364	Data Structures and Algorithms	CSC 360	3	
SELECT 2 OF THE FOLLOWING:				
ASE 230	Server-Side Programming	INF 286 & CSC 260 or CIT 383 (pre-req or co-req)	3	
ASE 456	Cross-Platform Development	Junior Standing & ASE 220 or ASE 230	3	
CSC 362	Computer Systems	CSC 360	3	
CSC 402	Advanced Programming Methods	CSC 362 & CSC 364	3	
CSC 439	Software Testing and Maintenance	CSC 364 & Senior Standing	3	

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Approved Exceptions
Successful Completion of INF 120 CPLE
Successful Completion of CSC 260 CPLE
Successful Completion of CSC 360 CPLE

Students must earn a grade of "C-" or better and a 2.00 GPA in all courses that apply to the certificate. Please consult with your advisor and the appropriate University Catalog for other degree requirements.