



Undergraduate Certificates Checklist

For students on the following catalogs:
2025-2026

Name:

Student ID:

Catalog Year:

CYBERSECURITY CERTIFICATE (16 Hours)					
Course	Pre-req	Credits	Term	Grade	
CIT 130*	Information Technology Fundamentals	MAT 101 or Placement & ENG 101 Ready	3		
CIT 171	Introduction to Linux	ENG 101 Ready	1		
INF 284*	Introduction to Computer Networks	MAT 102 & INF 110 or INF 120 or CIT 130	3		
OR					
CIT 247*	Networking Fundamentals	CIT 130, CIT 171 & INF 284	3		
CYS 285*	Cybersecurity Fundamentals	CIT 130, CIT 171 & INF 284 or CIT 247	3		
CYS 385	Cybersecurity Analysis I	INF 120 & CYS 285	3		
CYS 485	Cybersecurity Analysis II	CYS 385	3		

Notes
Successful completion of CIT 247 Competency Exam

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	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		

Notes
Successful Completion of INF 120 CPLE
Successful Completion of CSC 260 CPLE
Successful Completion of CSC 360 CPLE

***Students with the current certification** (at the time of registering the class(es)) can have course credits based on the following course mappings:**

- CompTIA A+ → CIT 130: Information Technology Fundamentals
- CompTIA Network+ → INF 284: Introduction to Computer Networks
- CompTIA Security+ → CYS 285: Cybersecurity Fundamentals
- Cisco Certified Entry Networking → CIT 247: Networking Fundamentals
- 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 CYS 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 certificate program. Please consult with your advisor and the appropriate University Course Catalog for all other degree requirements.