CLEAR PATH for ADVISING – *Information Technology in Cybersecurity, B.A.S.*   **2025-2026**

[Please refer to the Undergraduate Catalog for further program requirements and course descriptions.](#)

> **Admission to the program is considered after the student has met the admissions pre-requisites, including 60 earned credit hours. General Education requirements should also be met.**

Program Requirements (may include courses that satisfy General Education Requirements)

Pre-calculus (4 hours)
Statistics or Probability (3 hours)
Natural Science (two w/lab sequence courses) (8 hours)
Science (3 hours)
Technical Electives (9 hours)
Elective (3 hours)

General Education Requirements that may be met by Program Requirements.

Writing and Communication (6 hours)
Quantitative Reasoning (6 hours)
Natural Science (7-8 hours)
Humanities and Fine Arts (6 hours)
Behavioral and Social Science (3 hours)
Individual and Global Citizenship (3 hours)

First Semester – 21 Hours			
Part of Term 1:	Hrs	*Part of Term 2:*	Hrs
CYIT 3000: *OS Fundamentals*	3	CYIT 3110: *Scripting, Automation, and Orchestration*	3
CYIT 3100: *Secure Programming Fundamentals*	3	CYIT 3200: *Server Administration*	3
CYIT 4100: *Info Sec Regulations, Policies, and Ethics*	3	CYIT 3300: *Network Administration*	3
		MATH 2040: Applied Mathematics *for Information Technology*	3
	9		12
Second Semester – 21 Hours			
Part of Term 1:	Hrs	*Part of Term 2:*	Hrs
CYIT 3120: *Data Structures, File and DB Processing*	3	CYIT 3130: *Secure Web and Mobile Development*	3
CYIT 3400: *Cloud Administration*	3	CYIT 4200: *Server, Network, and Cloud Security*	3
CYIT 3500: *Database Administration and Design*	3	CYIT 4300: *Emerging Technologies and Issues*	3
		CYIT 4500: *Database Security*	3
	9		12
Third Semester – 18 Hours			
Part of Term 1:	Hrs	*Part of Term 2:*	Hrs
CYIT 4000: *Principles of Project Management*	3	CYIT 4320: *Penetration Testing*	3
CYIT 4310: *Computer Forensics*	3	CYIT 4520: *Principles of Biometrics*	3
CYIT 4510: *Fundamentals of Cryptography*	3	CYIT 4700: *Incident Response*	3
	9		9

Completed:			
Graduation Requirements:	Hrs	**Degree Requirements:**	Hrs
120 Total Hours		33-34 General Education Hours	
39 Upper Division (3000-4000 Level) Hours		60 Program (Major) Hours	
30 Hours at UTC		Minor (*Not Required*)	
45 Hours at 4-year Institution		26-27 Elective Hours (*includes Technical*)	
		Foreign Language (*Not Required*)	