CIT, INFORMATION TECHNOLOGY CYBERSECURITY, BACHELOR OF APPLIED TECHNOLOGY

Plan of Study

BAT-IT-CYB

First Year

First Term

		Credits
ITSC 1305	Introduction to PC Operating Systems	3
ITSE 1329	Programming Logic and Design	3
ITNW 1325 or ITCC 1314	Fundamentals of Networking Technologies or CCNA 1: Introduction to Networks	3
ITSY 1342	Information Technology Security	3
ENGL 1301	Composition I	3
	Credits	**15**

Second Term

ITSC 1316 or ITSC 1307	Linux Installation and Configuration or UNIX Operating System I	3
ITSE 1302	Computer Programming	3
ITSY 2300	Operating System Security	3
ITNW 2353 or ITCC 1444	Advanced Routing and Switching or CCNA 2: Switching, Routing and Wireless Essentials	3
MATH 1332 or MATH 1314	Contemporary Mathematics (Quantitative Reasoning) or College Algebra	3
	Credits	**15**

Second Year

First Term

ITNW 1354 or ITNW 1309	Implementing and Supporting Servers or Fundamentals of Cloud Computing	3
ITSY 2301	Firewalls and Network Security	3
ITSY 2341	Security Management Practices	3
Language, Philosophy and Culture (Humanities)		3
Component Area Option		3
	Credits	**15**

Second Term

ITSY 2342	Incident Response and Handling	3
ITSY 2343	Computer System Forensics	3
ITSY 2345	Network Defense and Countermeasures	3
ENGL 2311 or ENGL 1302	Technical and Business Writing or Composition II	3
Social and Behavioral Sciences		3
	Credits	**15**

Third Year

First Term

Life and Physical Science (Natural Science) with lab		4
CYBR 3320	Digital and Device Forensics	3
CSIS 3313	Information Security Standards, Risk Management, and Compliance	3
CSIS 3353	Cyber Law and the Legal System	3
EDUC 1100 or PSYC 1100	Learning Framework or Learning Framework	1
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
	Credits	**17**

Second Term

Creative Arts (Fine Arts)		3
CYBR 3340	Cyber Crime	3
ITCS 3350	Project Management for Cybersecurity	3
CYBR 3371	Industrial Control System Security	3
American History		3
	Credits	**15**

Fourth Year

First Term

American History		3
ITCS 4315	Cybersecurity Incident Response Team	3
CYBR 4310	Penetration Testing	3
CSIS 4323	IT Security Auditing	3
Life and Physical Science (Natural Science) with lab		4
	Credits	**16**

Second Term

CYBR 4320	Cyber Defense Operations	3
CYBR 4350	Senior Project	3
CYBR 4330	Virtualization and Cloud Security	3
GOVT 2306	Texas Government (Texas Constitution and Topics)	3
	Credits	**12**
	Total Credits	**120**