



**AAS Information Technology - Cybersecurity  
to  
BAT Cybersecurity  
Guided Pathway**



Effective beginning with the 2020-2021 catalog

**First Year – Tarrant County College**

FALL SEMESTER		SPRING SEMESTER	
COSC 1301 – Introduction to Computing or BCIS 1305		ITCC 1414 – CCNA 1: Intro to Networks or ITNW 1425	
ITSC 1305 – Introduction to PC Operating Systems		ITSC 1425 – Personal Computer Hardware**	
ITSY 1300 – Fundamentals of Information Security		COSC 1436 – Programming Fundamentals I	
c ENGL 1301 – Composition I		ITSY 2400 – Operating System Security**	
12 credit hours		16 credit hours	
SUMMER SEMESTER			
ITSY 2341 – Security Management Practices			
c Social/Behavioral Science elective (see list below)			
c Creative Arts/Lang, Phil, Culture elective (see list below)			
9 credit hours			

**Second Year – Tarrant County College**

FALL SEMESTER		SPRING SEMESTER	
ITSY 2401 – Firewalls and Network Security**		c Math course (see list below)	
ITSY 2342 – Incident Response and Handling or ITSY 2443		ITSY 2372 – Ethical Hacking*	
c Speech course (see list below)		ITSY 2459 – Security Assessment and Auditing	
ITSY 2330 – Intrusion Detection			
13 credit hours		10 - 11 credit hours	

Contact your TCC advisor for information on applying for your associate degree.

***AAS Information Technology - Cybersecurity***

SUMMER SEMESTER (Tarrant County College or Collin College)	
c Life/Physical Science course (see list below)	
c American History course (see list below)	
7 credit hours	

**Third Year – Collin College**

Students must fulfill Collin College program admissions requirements, which can be found on the Collin College website.

FIRST SEMESTER		SECOND SEMESTER	
CYBR 3310 – Introduction to Cryptography		ITMT 1372– Installation, Storage, and Computing with Windows Server 2016	
CYBR 3320 – Digital and Device Forensics		CYBR 3350 – Cyber Privacy	
CYBR 3330 – Advanced Network Topologies and Protocols		CYBR 3360 – Mobile Technologies	
CYBR 3340 – Cyber Crime		CYBR 4310 – Penetration Testing	
c Core elective (see list below)		ITSC 1316 – Linux Installation and Configuration	
13 - 15 credit hours		15 credit hours	

**(Continued)**

Contact your Collin College advisor for information about applying for your Bachelor's degree.

***Bachelor of Applied Technology - Cybersecurity***

## Fourth Year – Collin College

FIRST SEMESTER	SECOND SEMESTER
CYBR 4320 – Cyber Defense Operations	CYBR 4340 – Information Assurance
CYBR 4330 – Virtualization and Cloud Security	CYBR 4350 – Senior Project
<sup>c</sup> ENGL 2311 – Technical and Business Writing	<sup>c</sup> Creative Arts or Lang, Phil and Culture course#
<sup>c</sup> Life/Physical Science course (see list below)	<sup>c</sup> GOVT 2306 – Texas Government
<sup>c</sup> GOVT 2305 – Federal Government	<sup>c</sup> American History course (see list below)
16 credit hours	15 credit hours

### Tarrant County College Options:

Mathematics – choose one from: **MATH** 1314, 1316, 2412, 2413

Speech – choose one from: **SPCH** 1311, 1315, 1321

### Collin College Options:

History – choose two from: **HIST** 1301, 1302, 2301

Life & Physical Sciences – choose two from: **BIOL** 1406, 1407, 1414, 1415, 2401, 2402, 2406, 2416, 2421, 1408, 1409, 2404, 2420, **CHEM** 1411, 1412, 2423, 2425, 1405, **ENVR** 1401, 1402, **GEOL** 1401, 1403, 1404, **PHYS** 1401, 1402, 2425, 2426, 1402, 1445, 1447, 1403, 1404, 1405, 1410, 1415, 1417

#Choose one of the areas below in which you have not already taken a course:

- Language, Philosophy, & Culture – choose one from: **ENGL** 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343, **HIST** 2311, 2312, 2321, 2322, **HUMA** 1301, **PHIL** 1301, 1304, 2303, 2306, 2307, 2321
- Creative Arts – choose one from: **ARTS** 1301, 1303, 1304, 1313, **DANC** 2303, **DRAM** 1310, 2361, 2362, 2366, **MUSI** 1306, 1307, 1310

Core Elective – choose one from: **EDUC** 1300, **PHED** 1164, 1304, 1338, OR any core course not used to meet other requirements.

\*No Collin College credit awarded for ITSY 2372.

\*\*3 credit hours awarded at Collin College for each course: ITSC 1425, ITSY 2400, and ITSY 2401.