



AAS Information Systems Cybersecurity to  
 BAT Cybersecurity  
**Guided Pathway**  
 Effective beginning with the 2020-2021 catalog

**First Year – Collin College**

FIRST SEMESTER	SECOND SEMESTER
CPMT 1305 IT Essentials I: PC Hardware & Software	ITCC 1314 CCNA 1: Introduction to Networks
ITNW 1358 Network +	ITSY 1372 Cyber-Psychology and the Effects of Emerging Technology
ITSY 1371 OSINT and Introductory Security Analysis	ITSC 1316 Linux Installation & Configuration
ITSY 2300 Operating System Security	ITSY 1300 Fundamentals of Info. Security (Security +)
<sup>c</sup> ENGL 1301 Composition I	ITSY 2301 Firewalls & Network Security
15 credit hours	15 credit hours

**Second Year – Collin College**

FIRST SEMESTER	SECOND SEMESTER
ITCC 1344 CCNA 2: Switching, Routing, & Wireless Essentials	<sup>c</sup> ECON 2302 Principles of Microeconomics (see list below)
ITSY 2330 Intrusion Detection	ITSE 1359 Introduction to Scripting Languages - Python
<sup>c</sup> MATH 1342 Elementary Statistical Methods (see list below)	ITSY 2341 Security Management Practices
ITSY 2342 Incident Response & Handling	ITSY 2343 Computer System Forensics
<sup>c</sup> SPCH 1321 Business & Professional Communication (see list below)	<sup>c</sup> PHIL 2303 Introduction to Formal Logic (see list below)
15 credit hours	15 credit hours

***AAS Information Systems Cybersecurity***

Contact your advisor at Collin College for information about applying for your associate degree.

**Third Year – BAT Collin College**

FIRST SEMESTER	SECOND SEMESTER
CYBR 3310 Introduction to Cryptography	CYBR 3350 Cyber Privacy
CYBR 3320 Digital & Device Forensics	CYBR 3360 Mobile Technologies
CYBR 3330 Advanced Network Topologies & Protocols	CYBR 4310 Penetration Testing
CYBR 3340 Cyber Crime	<sup>c</sup> GOVT 2305 Federal Government -Federal constitution & topics (see list below)
<sup>c</sup> ENGL 2311 Technical & Business Writing	<sup>c</sup> Life & Physical Sciences (see list below)
15 credit hours	15 credit hours

**Fourth Year – BAT Collin College**

FIRST SEMESTER	SECOND SEMESTER
CYBR 4320 Cyber Defense Operations	CYBR 4350 Senior Project
CYBR 4330 Visualization & Cloud Security	KINE 1164 Introduction to Physical Fitness and Wellness (see Collin options)
CYBR 4340 Information Assurance	<sup>c</sup> HIST 1302 United States History II (see American History options)
<sup>c</sup> ENVR 1401 Environmental Science 1 (see list below)	<sup>c</sup> Creative Arts (see list below)
<sup>c</sup> HIST 1301 United State History 1 (see list below)	<sup>c</sup> GOVT 2306 Texas Government (Texas Constitution & Topics)
15 credit hours	15 credit hours

***BAT Cybersecurity***

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

**Mathematics** – choose one from: **MATH** 1314 or 1414, 1316, 1324, 1325, 1332, 1342, 1350, 1351, 2305, 2318, 2320, 2412, 2413, 2414, 2415

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

**Social and Behavioral Sciences** – choose one from: **ANTH** 2302, 2346, 2351, **ECON** 1301, 2301, 2302, **PSYC** 2301, **SOCI** 1301, 1306

**Humanities/Fine Arts** – choose one from: **ENGL** 2322, 2323, 2327, 2328, 2332, 2333, 2341, **HIST** 2311, 2312, 2321, 2322, **HUMA** 1301, **PHIL** 1301, 1304, 2303, 2306, 2307, 2321, **ARTS** 1301, 1303, 1304, 1313, **DANC** 2303, **DRAM** 1310, 2361, 2362, 2366, **MUSI** 1306, 1307, 1310

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

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

**Creative Arts** – choose one from: **ARTS** 1301, 1303, 1304, 1313, **DANC** 2303, **DRAM** 1310, 2361, 2362, 2366, **MUSI** 1306, 1307, 1310

**\*Elective** – choose one from: **ITSY 2572** (recommended) or any, **ITCC**, **ITMT**, **ITNW**, **ITSY** course not listed above