



AAS Information Systems Cybersecurity to
BAT Cybersecurity
Guided Pathway
Effective beginning with the 2023-2024 catalog

First Year – Collin College

FIRST SEMESTER	SECOND SEMESTER
CPMT 1305 IT Essentials I: PC Hardware & Software	ITCC 1314 CCNA 1: Introduction to Networks
^c ENGL 1301 Composition I	ITSC 1316 Linux Installation & Configuration
ITNW 1358 Network +	ITSY 1300 Fundamentals of Info. Security (Security +)
ITSY 1371 OSINT and Introductory Security Analysis	ITMT 1372 Installation, Storage, & Computing w/ Windows Server 2016
ITSY 2300 Operating System Security	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	^c Social/Behavioral Sciences (see list below)
ITSY 2330 Intrusion Detection	ITSY 1342 Shell Programming - Scripting
^c Mathematics (see list below)	ITSY 2341 Security Management Practices
^c Speech (see list below)	ITSY 2343 Computer System Forensics
*Elective (see list below)	^c PHIL 2303 Introduction to Formal Logic (or see Humanities/Fine Arts 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.

^c Core Curriculum transferable to any public college or university in Texas.

Third Year – 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	^c GOVT 2305 Federal Government
^c ENGL 2311 Technical & Business Writing (or see communications list below)	^c Life & Physical Sciences (see list below)
15 credit hours	15 credit hours

Fourth Year – Collin College

FIRST SEMESTER	SECOND SEMESTER
CYBR 4320 Cyber Defense Operations	CYBR 4350 Senior Project (Capstone)
CYBR 4330 Visualization & Cloud Security	^c GOVT 2306 Texas Government
CYBR 4340 Information Assurance	^c HIST 1302 United States History II (or see list below)
^c Life & Physical Sciences (see list below)	^c Collin Options (see Area 1 list below)
^c HIST 1301 United State History I (or see list below)	^c Creative Arts (see list below)
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

US 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: any **CPMT**, **ITCC**, **ITMT**, **ITNW**, **ITSC**, or **ITSY** course not listed above