



**Associate of Applied Science in
Cyber Security – Cyber Defense Emphasis to
B.S. Cybersecurity
Guided Pathway
Effective for the 2019-2020 catalog¹**



STEM



First Year – Richland College²

FIRST SEMESTER	SECOND SEMESTER
ENGL 1301 – Composition I (010)	ITSY 1400 – Fundamentals of Information Security
ITCC 1414 – CCNA 1: Introduction to Networks	ITMT 2405 – Designing and Implementing a Server Infrastructure
MATH 1314 – College Algebra (020)	ITCC 1440 – CCNA 2: Routing and Switching Essentials
ITSC 1416 – Linux Installation and Configuration	SPCH 1321 – Business and Professional Communication (090)
POFI 1104 – Computer Fundamentals [#]	
Total Semester Hours: 15	Total Semester Hours: 15

Second Year – Richland College

It's best to apply to Excelsior College a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

FIRST SEMESTER	SECOND SEMESTER
ITMT 1457 – Administering a Windows Server Operating System	ITSY 2401 – Firewalls and Network Security
ITSY 1442 – Information Technology Security	ITSC 2425 – Advanced Linux
ITSE 1429 – Programming Logic and Design	ITSY 2472 – Ethical Hacking and System Defense OR ITSY 2486 – Internship-Computer and Information Security
Humanities/Fine Arts Elective* (040 or 050)	Social/Behavioral Sciences Elective* (060, 070 or 080)
Total Semester Hours: 15	Total Semester Hours: 15

AAS: Cyber Security – Cyber Defense Emphasis (60 hours)

You will need to apply for the associate degree at your community college. Contact your advisor there for more information.

Third Year Courses – Richland College

FIRST SEMESTER	SECOND SEMESTER	SUMMER SEMESTER
ENGL 1302 – Composition II	MATH 2305 – Discrete Math	Arts & Sciences Elective*
PHIL 2306 – Introduction to Ethics	BUSI 2305 – Statistics	Arts & Sciences Elective*
Social Sciences/History Elective*	Arts & Sciences Elective*	Arts & Sciences Elective*
Social Sciences/History Elective*	Arts & Sciences Elective*	Arts & Sciences Elective*
Natural Sciences Elective*	Arts & Sciences Elective*	
Total Semester Hours: 15	Total Semester Hours: 15	Total Semester Hours: 10

Fourth Year Courses – Excelsior College

FIRST SEMESTER	SECOND SEMESTER
INL 102 – Information Literacy	CYS 345 – Cybersecurity Defense in Depth
IND 101 – Cornerstone A Foundations OR IND 301 – Cornerstone B Pathways	CYS 450 – Security Focused Risk Management
ELEC 202 – Microprocessors OR IT 321 – Computer System Architecture	IT 360 – Operating Systems
CYS 245 – Introduction to Cybersecurity	IT 406 – Computer Forensics
CYS 260 – Governance, Legal, and Compliance	CYS 496 – Cybersecurity Capstone
Total Semester Hours: 13	Total Semester Hours: 15

This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.

Part-time students may also follow this sequence. Developmental coursework may be required.

¹ You may use this pathway if you entered one of the seven colleges on or before this date.

² Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven colleges of the DCCCD awarding the degree.

* There are several options to fulfill this requirement. See your academic advisor for a specific list.

[#] Students must choose *Word Processing Skills* or *Spreadsheet Skills*.

You must earn a grade of "C" or better in English 1301 and MATH 1314.

Approved: 2019-2020 Guided Pathway