

Howard Community College AA. Network Security to Excelsior College B.S. Information Technology with a concentration in Cybersecurity Technology
Revision: March 2013

This program plan outlines how students can transfer from the **Howard Community College AA. Network Security** program to the **Excelsior College B.S. Information Technology with a concentration in Cybersecurity Technology** program. Upon completion of the **AA. Network Security**, the following credits will apply for students enrolling in the **B.S. Information Technology with a concentration in Cybersecurity Technology** program.

Howard Community College Credits	Semester Hours	Excelsior College Requirements	Semester Hours
ENGL 121: College Composition	3	Written English	3
PHIL 103: Introduction to Ethics (Humanities Core)	3	Ethics	3
Literature Core Course	3	Humanities	3
Arts Core Course	3	Arts and Science Electives	3
Science Core Course	7 to 8	Natural Science and Arts and Science Electives	7 to 8
Social and Behavioral Sciences Core Courses	6	Social Science/History	6
MATH 138: Statistics	4	Statistics	4
CMSY 110: Software Applications for Micros OR CMSY 129: Principles of the Internet	3	Free Electives	3
CMSY 162: Intro to Network Security Systems	3	Overview of Computer Security	3
CMSY 163: Intro to Firewalls and Network Security	3	Technical Elective	3
CMSY 164: Intro to Intrusion Detection Systems	3	Technical Elective	3
CMSY 262: Encryption and VPN Technology	3	Technical Elective	3
CMSY 263: Hardening the Network Infrastructure	3	Technical Elective	3
MATH 141: College Algebra	3	Arts and Science Electives	3
MSFT 299: Fundamentals and Practice for Network+ Certification	3	Free Electives	3
SPCH 105: Fundamentals of Public Speaking	3	Communications	3
Electives (CSCO 281: Network Fundamentals)	3	Data Communications and Networking	3
Electives	3	Not applicable	0
Total Credits Required for Associate's	62 to 63	Total Credits Accepted From Associate's	59 to 60

Credits Beyond The Associate's That Can Be Transferred OR Taken At Excelsior

Howard Community College Credits	Semester Hours	Excelsior College Requirements
Social Science/History	3	Social Science/History
MATH 220: Discrete Structures	3	Discrete Math
Arts and Science Electives	16	Arts and Science Electives
CFOR 101: Computer Forensics	3	Computer Forensics

CMSY 141: Computer Science I	4	Object Oriented Programming	
CMSY 250: Systems Analysis and Design	3	Software Systems Analysis and Design	3
BMGT 241: Project Management	3	Project Management	3
Total Additional Credits	35		

Credits To Be Taken At Excelsior College *	
Excelsior College Requirements	Semester Hours
ENG*102: Composition II	3
IT*321: Computer Systems Architecture	3
IT*370: Database Management Systems	3
IT*360: Operating Systems	3
CYS*426: Cyber Attacks and Defenses	3
CYS*455: Business Security and Continuity	3
CYS*456: Securing Mobile and Cloud Computing Environments	3
CYS*475: Large Scale Cybercrime and Terrorism	3
IT*495: Integrated Technology Assessment	3
INL*102: Information Literacy	1
Total Credits	28

* The above credits (with the exception of the **Capstone** course) may also be transferred in or taken at another 4-year regionally accredited institution.

Evaluation Summary	Semester Hours
Credits Accepted from Associate's Degree	59 to 60
Additional Credits Beyond the Associate's Degree	35
Credits from Excelsior *	28
Total Credits Required for Bachelor's Degree	122

* Students are required to take a minimum of **12.00 credits** from Excelsior to qualify for partner pricing.

NOTE: Excelsior College reviews every student individually and this guide is just a sample scenario. Actual requirements will be dependent on the courses a student transfers to Excelsior.