

Revision: May 2013

This program plan outlines how students can transfer from the **SUNY Ulster A.A.S. in Cybersecurity** program to the **Excelsior College B.S. in Information Technology with Cybersecurity Concentration** program. Upon completion of the A.A.S., the following credits will apply for students enrolling in the **B.S. in Information Technology with Cybersecurity Concentration** program.

SUNY Ulster Credits	Semester Hours	Excelsior College Requirements	Semester Hours
CIS 100: Introduction to Computer Information Systems	3	Free Elective	3
CRJ 101: Criminal Justice System	3	Social Science	3
ENG 101: College English I *	3	Written English	3
MAT 105: College Algebra	3	Natural Science/Math Elective	3
NET 101: Networking Fundamentals I	3	Data Communications and Networking	3
General Elective **	1	Free Elective	1
CIS 116: Operating Systems & Utilities	3	Operating Systems	3
ENG 102: College English II OR ENG 227: Technical Writing	3	ENG 102 = Written English	3
LIB 111: Information Literacy	1	Information Literacy	1
NET 102: Networking Fundamentals II	3	Technical Elective	3
SOC 101: Introduction to Sociology	3	Social Science	3
General Elective **	1	Free Elective	1
CFR 221: Computer Forensics ***	3	Computer Forensics	3
CFR 223: Information Security ***	3	Technical Elective	3
CIS 215: Microcomputer Hardware & Telecommunications	3	Technical Elective	3
NET 103: Local Area Networks	3	Technical Elective	3
PSY 101: General Psychology	3	Social Science	3
CFR 222: Network Forensics ***	3	Technical Elective	3
CFR 224: Network Perimeter Security ***	3	Technical Elective	3
CSS 226: Cyber Crime Investigations ***	3	Technical Elective	3
SOC 203: Criminology	3	Arts & Science elective	3
Math or Liberal Arts Elective	3	Arts & Science elective	3
Total Credits Required From Associate's	60	Total Credits Accepted From Associate's	60

* ENG 101 is a pre-co-requisite for all history courses and 200-level sociology courses.

** Students can take up to 2 credits in physical education courses to satisfy these electives.

*** Courses offered through the Hudson Valley Educational Consortium. Instruction takes place either via teleconferencing on the SUNY Ulster campus or at another location identified at time of registration.

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

SUNY Ulster Credits	Semester Hours	Excelsior College Requirements
ENG 227 Technical Writing	3	Communications
PHI 205 Ethics	3	Ethics

Humanities Elective	3	Humanities Elective
MAT 206 Discrete Mathematics	3	Discrete Math
MAT 211 Elementary Statistics	3	Additional Math needed
Natural Science Elective	3	Natural Science
Arts & Science Electives	18	Arts & Science Electives
Total Additional Credits	36	

* Excelsior College requires credits in both College Algebra at the level of Pre-Calculus or above and Statistics. Depending on what the student takes at their home institution, they will need the other requirement for Excelsior College.

Credits To Be Taken At Excelsior College *	
Excelsior College Requirements	Semester Hours
Object-Oriented Programming	3
Computer Systems Architecture	3
Overview of Computer Security	3
Database Concepts	3
Software Systems Analysis and Design	3
Project Management	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 (<i>Capstone</i>) * Capstone <i>MUST</i> be completed at Excelsior College	3
Total Credits	33

* 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 *	60
Additional Credits Beyond the Associate's Degree	36
Credits from Excelsior **	33
Total Credits Required for Bachelor's Degree ***	129

* Semester hours do not include those assigned for the SUNY Natural Science accepted credits. This total could in fact be as high as 72.

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

***Please note that if a student chooses to complete the B.S. in Information Technology with the General Option, the program can be completed with a minimum of 120 credits. The credits completed at Excelsior would be 24.

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.