

**Onondaga Community College A.S. Computer Sciences
to Excelsior College B.S. Cybersecurity**
Revision: May 2020

This program plan outlines how students may transfer from the **Onondaga Community College A.S. Computer Sciences** program to the **Excelsior College B.S. Cybersecurity** program. Upon completion of the **A.S. Computer Sciences**, the following credits may apply for students enrolling in the **B.S. Cybersecurity** program.

This guide is only a sample scenario. Excelsior College reviews every student individually. Actual requirements will be dependent on the courses a student transfers and the application date with Excelsior.

Onondaga Community College Credits	Semester Hours	Excelsior College Requirements	Semester Hours
ENG 103 Freshman Composition and Literature I	3	Written English Requirement	3
MAT 161 Calculus I	4	Mathematics Requirement (College Algebra or Above)	4
COM 210 Public Speaking OR COM 100 Introduction to Communication	3	Communications Requirement	3
CSC 109 Algorithm Development	1	N/A	0
CSC 111 Fundamentals of Computing I	4	Free Elective	4
ENG 104 Freshman Composition and Literature II	3	Written English Requirement	3
MAT 251 Discrete Mathematics	4	Discrete Math Requirement	4
CSC 112 Fundamentals of Computing II	4	N/A	0
Gen. Ed. Electives	12	Arts & Sciences Requirement	12
CSC 211 Computer System Organization	4	N/A	0
CSC Electives <i>Must complete from the following list: CSC 162, CSC 222, CSC 224, CSC 250, CSC 255, CSC 263, CSC 264, or CSC 280. CSC 110</i>	8	Technology Electives	8
Natural Sciences with Lab sequence: <i>Biology: BIO 151 and BIO 152 OR Geology: GEO 151/GEO 151L and GEO 152/GEO 152L OR Physics: PHY 103 and PHY 104 / PHY 105 and PHY 205</i>	8	Natural Sciences Requirement AND Arts & Sciences Requirement	8
PHI 107 Logic	3	Humanities	3
CSC/CIS/CFS course <i>*if needed for 61 credit minimum</i>	4	Technology Elective	4
Total Credits Required for Associate	65	Total Credits Accepted from Associate	56

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

Onondaga Community College Credits	Semester Hours	Excelsior College Requirements
PHI 108: Ethics	3	Ethics Requirement
Social Sciences/History Electives	9	Social Sciences/History Requirement
BUS 219 OR MAT 151: Statistics I	3	Statistics Requirement
Arts & Sciences Electives	3	Arts & Sciences Requirement
Total Additional Credits	18	

Credits To Be Taken At Excelsior College *

Excelsior College Requirements	Semester Hours
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INL 102: Information Literacy (<i>MUST be completed with Excelsior</i>)	1
IND 301: Cornerstone B (Pathways) (<i>MUST be completed with Excelsior</i>)	3
CYS 203: Intro to Microprocessors (Microprocessors Computer Architecture Requirement)	3
CYS 345: Introduction to Cybersecurity (Introduction to Cybersecurity Requirement)	3
CYS 260: Governance, Legal, and Compliance (Governance, Legal, and Compliance Requirement)	3
CYS 345: Cybersecurity Defense in Depth (Cybersecurity Defense in Depth Requirement)	3
CYS 426: Cyber Attacks and Defense (Cyber Attacks and Defense Requirement)	3
CYS 450: Security Focused Risk Management (Security Focused Risk Management Requirement)	3
IT 250: Business Data Communications (Data Communications and Networking Requirement)	3
IT 360: Operating Systems (Operating Systems Requirement)	3
IT 380: Overview of Computer Security (Overview of Computer Security Requirement)	3
CYS 403: Network and Application Security (Network and Application Security Requirement)	3
IT 406: Computer Forensics (Computer Forensics Requirement)	3
IT 460: System Administration (System Administration Requirement)	3
Technology Elective	3
CYS 496: Cybersecurity Capstone (<i>MUST be completed with Excelsior</i>)	3
Total Credits	46

*All coursework, except where noted, may be completed at Excelsior or transferred from another accredited institution.

Evaluation Summary	Semester Hours
Credits Accepted from Associate Degree	56
Additional Credits beyond the Associate Degree	18
Credits from Excelsior *	46
Total Credits Required for Bachelor's Degree	120

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

What are Arts and Sciences?

We offer the following definitions to help you make these determinations. Remember, however, that before you pay to take a course or examination you should always consult with your advisor to make sure that it will help meet your degree requirements.

Humanities

Humanities subjects focus on developing knowledge and skills in critical reading, logical thought, and esthetic appreciation. Here are some subject areas typically classified as Humanities:

Art, Philosophy, Music, Foreign Language, Literature, Theater, Ethics, Speech, Religion, Communication

Social Sciences and History

Social Sciences and History subjects focus on individuals and society and the processes individuals use to order their world. Here are some subject areas typically classified as Social Sciences and History:

Psychology, Economics, Sociology, Geography, Political Science, History, Anthropology

Natural Sciences and Mathematics

Natural Sciences and Mathematics subjects focus on understanding the natural world and problem-solving processes. Here are some subject areas typically classified as Natural Sciences and Mathematics:

Anatomy and Physiology, College Algebra, Microbiology, Calculus, Chemistry, Genetics, Biology, Physics