



Revision: November 2018

This program plan outlines how students can transfer from the **Mohawk Valley Community College A.S. Computer Science (Cybersecurity)** program to the **Excelsior College BS Cybersecurity** program. Upon completion of the **A.S.**, the following credits will apply for students enrolling in the **BS Cybersecurity** program.

| Mohawk Valley Community College Credits | Semester Hours | Excelsior College Requirements | Semester Hours |
|--|----------------|--|----------------|
| CF 100: College Foundations Seminar | 1 | Not Applicable | 0 |
| CI 104: Introduction to Cybersecurity | 3 | Introduction to Cybersecurity (CYS 245) | 3 |
| EN 101: English 1: Composition | 3 | Written English | 3 |
| HI 101: History of Civ 1 | 3 | Social Science/History | 3 |
| SO101: Intro Sociology | 3 | Social Science/History | 3 |
| Elective Option (CJ 101 OR CI 245) | 3 | Social Science / History | 3 |
| Physical Education Elective | 2 | Free Elective | 2 |
| CI 112: Networking Fundamentals | 3 | Technology Elective | 3 |
| Math Elective (Choose 2: MA 115 OR MA 125 OR MA 150 OR MA 151 OR MA 152) | 8 | Recc: MA 151 & 152 to fulfill Calculus I & II req. | 8 |
| EN 102: English 2: Idea & Values Lit | 3 | Written English | 3 |
| IS 120: Cmptr Oper Systms & Envmt | 3 | Free Elective | 3 |
| MA110: Elementary Statistics | 3 | Math requirement | 3 |
| CI 110: Prin Programming | 3 | Not Applicable | 0 |
| CI 142: Computer Forensics | 3 | Computer Forensics (IT 406) | 3 |
| Core GE Natural Science | 4 | Arts & Science elective | 4 |
| CI 130: Programming in C++ | 3 | Technology Elective | 3 |
| CI 212: Internet Security | 3 | Network and Application Security (CYS 403) | 3 |
| CI 232: Security Policies | 3 | Technology Elective | 3 |
| Natural Science Elective | 4 | Natural Science requirement | 4 |
| CIS 132: Unix Operating Systems & Environment | 3 | Operating Systems (IT 360) | 3 |
| Total Credits Required for Associate | 64 | Total Credits Accepted from Associate | 60 |

* Excelsior College requires Math courses at the level of college algebra or above. The Cyber Operations and Information Technology program includes a Statistics requirement. Depending on what the student takes at their home institution, they will need the other requirement for Excelsior College.

| Credits Beyond The Associate That Can Be Transferred OR Taken At Excelsior | | | |
|---|----------------|--------------------------------|--|
| Mohawk Valley Community College Credits | Semester Hours | Excelsior College Requirements | |
| Humanities Elective | 3 | Humanities | |
| EN 150: Effective Speech OR OT 106: Business Communications | 3 | Communications | |
| MA 151: Analytic Geometry and Calculus I | 4 | Calculus I (TECH 201) | |
| MA 152: Analytic Geometry and Calculus II | 4 | Calculus II (TECH 202) | |
| Arts & Science Electives | 13 | Arts & Science electives | |
| CJ 106: Ethics in Criminal Justice | 3 | Ethics | |
| Total Additional Credits | 27 | | |

* Excelsior College requires math courses at the level of college algebra or above. The Cyber Operations and Information Technology program includes a Statistics requirement. 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 |
| INL 102: Information Literacy | 1 |
| CYS 203: Introduction to Microprocessors OR IT 321: Computer Systems Architecture | 3 |
| CYS 260: Governance Compliance | 3 |
| CYS 345: Cybersecurity Defense in Depth | 3 |
| CYS 426: Cyber Attacks and Defenses | 3 |
| IT 250: Business Data Communications | 3 |
| IT 380: Overview of Computer Security | 3 |
| IT 460: System Administration | 3 |
| CYS 450: Security Focus Risk Management | 3 |
| Technology Elective (400 Level) | 6 |
| CYS 496: Cybersecurity Capstone <i>NOTE: The Capstone MUST be completed at Excelsior</i> | 3 |
| Total Credits | 34 |

* 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 Degree | 60 |
| Additional Credits Beyond the Associate Degree | 27 |
| Credits from Excelsior * | 34 |
| Total Credits Required for Bachelor's Degree | 121 |

* 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.

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