

| Mohawk Valley Community College Computer Science: Cybersecurity | | | | | SUNY Polytechnic Institute Network Computer Security | | | | |
|--|--|-------------|--|--|---|---|-------------|--|------------------|
| Course # | Course Title | SUNY Gen Ed | | Credits Granted | Course # | Equivalent Course Title | SUNY Gen Ed | | Credits Accepted |
| CF 100 | College Foundations Seminar | | | 1 | FYS 101 | First Year Seminar | | | 1 |
| CI104 | Introduction to Cybersecurity | X | | 3 | NCS 181 | Intro to Cybersecurity | X | | 3 |
| EN101 | English 1: Composition | X | | 3 | ENG 101 | Freshman Composition | X | | 3 |
| HI101 | History of Civilization 1 | X | | 3 | | OCV/WCV Gen Ed | X | | 3 |
| SO101 | Introduction to Sociology | X | | 3 | SOC 100 | Introduction to Sociology | X | | 3 |
| MA 131 | Mathematics Elective (See "A" below) | X | | 4 | MAT 001 | Math Elective | X | | 4 |
| | Physical Education | | | .5 | REC 000 | Recreation Elective | | | .5 |
| CI112 | Networking Fundamentals | | | 3 | NCS 315 | Networking & Info System | | | 3 |
| MA 140 | Mathematics Elective | X | | 4 | MAT 001 | Math Elective | X | | 4 |
| EN102 | English 2: Ideas & Values in Literature | X | | 3 | ENG 110 | Introduction to Literature | X | | 3 |
| IS120 | Computer Operating Systems & Environments | | | 3 | CSC 000 | Computer Science Elective | | | 3 |
| CI 110 | Principles of Programming | | | 3 | CSC 317 | Computer Systems & Computer Programming | | | 3 |
| | Physical Education | | | .5 | REC 000 | Recreation Elective | | | .5 |
| CI 130 | Programming in C++ | | | 3 | CS 108 | Computing Fundamentals | | | 3 |
| CI142 | Computer Forensics | | | 3 | CSC 000 | Computer Science Elective | | | 3 |
| CI 132 | Unix Operating Systems & Security | | | 3 | NCS 205 | Introduction to Linux | | | 3 |
| | Core GE Natural Science Elective (See "B" below) | X | | 4 | NCS 001 | Natural Science Elective | X | | 4 |
| | Physical Education | | | .5 | REC 000 | Recreation Elective | | | .5 |
| MA 110 | Elementary Statistics | X | | 3 | STA 100 | Statistical Methods | X | | 3 |
| CI212 | Internet Security | | | 3 | ELEC 000 | Unrestricted Elective | | | 3 |
| CI232 | Security Policies | | | 3 | NCS 330 | IA Ethics, Policies & Disaster Recover | | | 3 |
| | Natural Science Elective (See "B" below) | X | | 4 | NCS 001 | Natural Science Elective | X | | 4 |
| | Program Elective (See "C" below) | | | 3 | ELEC 000 | Unrestricted Elective | | | 3 |
| | Physical Education | | | .5 | REC 000 | Recreation Elective | | | .5 |
| | | | | | NCS 210 | Network Transmission Technology | | | 4 |
| | | | | | CS 220 | Computer Organization | | | 4 |
| | | | | | CS 240 | Data Structures and Algorithms | | | 4 |
| | | | | | | General Elective | | | 4 |
| | | | | | NCS 320 | Information Assurance Fundamentals | | | 4 |
| | | | | | IS 320 | Systems Analysis and Design | | | 4 |
| | | | | | COM 3XX | Upper Division Writing | | | 4 |
| | | | | | | General Elective | | | 4 |
| | | | | | NCS 350 | Wireless Systems and Security | | | 4 |
| | | | | | NCS XXX | NCS Advanced Elective | | | 4 |
| | | | | | NCS XXX | NCS Advanced Elective | | | 4 |
| | | | | | | General Elective | | | 4 |
| | | | | | NCS 495 | Senior Project | | | 2 |
| | | | | | NCS XXX | NCS Advanced Elective | | | 4 |
| | | | | | | General Elective | | | 4 |
| | | | | | | General Elective | | | 2 |
| | | | | Total Credits Eligible for Transfer | 64 | | | | |
| | | | | | Total Transfer Credits Applied to Program | | | | 64 |
| | | | | | Total Credits Required after Transfer | | | | 60 |
| | | | | | Total Credits Required for Degree | | | | 124 |

A.) Mathematics Elective (choose two courses from the following): MA 115, MA 125, MA 150, MA 151, or MA 152

B.) Core GE Natural Sciences (choose one sequence) CH 141 & CH 142 OR PH 151 & PH 152

C.) Program Elective (Choose one): CJ 101 or CI 245