# Cybersecurity and Networking AAS (CNET)

| Catalog: 2025-2026 | | | Effective Date: 9/01/2025 |
|---|---|---|---|
| **CR** | **COURSE** | **COURSE TITLE** | **SUNY GEN ED** |
| 1-2 | HRD 100, HRD 100A or HRD 110 | FIRST YEAR EXPERIENCE | |
| 3 | ENG 101 | *Introduction to College Writing* | GCWO |
| 3 | ENG 102, ENG 103, ENG 104, ENG 105, ENG 106, ENG 107, ENG 108, ENG 109 or ENG 110 | ENG 110 *Elements of Technical Writing* recommended | GCWO |
| 3 | SUNY GEN ED Mathematics (and Quantitative Reasoning) | Algebra based mathematics required | GMAT MAAG |
| 3-4 | SUNY GEN ED Natural Lab Science (and Scientific Reasoning) | | GNSL |
| 3 | SUNY GEN ED Diversity: Equity, Inclusion and Social Justice | | GDVR |
| 3 | SUNY GEN ED Humanities, The Arts, US History and Civic Engagement, World History and Global Awareness, Social Sciences or World Languages | | GHUM GART CUSC GGLB GSSC GWRL |
| 1 | CIS102 | *Introduction to Linux* | |
| 3 | CIS120 | *PC Hardware Fundamentals* | |
| 3 | CIS 131 | *Introduction to Networking* | |
| 4 | CIS 133 (Fall only - Prereq and Coreq Required) | *Network Fundamentals (CCNA1)* | |
| 4 | CIS 134 (Spring only - Prereq Required) | *LAN/WAN Technologies (CCNA2)* | |
| 3 | CIS 135 (Spring only - Prereq Required) or CIS136 (Fall only – Prereq required) | *Network Security I or IT Security Essentials* | |
| 4 | CIS139 (Fall only – Prereq Required) | Enterprise Networking (CCNA3) | |
| 3 | CIS 140 (Fall only - Prereq Required) or CIS 143 (Prereq Required) | *Introduction to Programming in a Windows Environment or Introduction to Programming* | |
| 3 | CIS150 | *Topics in Computing* | |
| 3 | CIS 232 (Spring Only - Prereq Required) or CIS151 (Fall Only – Prereq Required) | *Server Administration or Server Side Scripting* | |
| 4 | CIS 235 (Fall only - Prereq Required) | *Network Security II (CCNA CyberOps)* | |
| 3 | CIS 237 (Spring only – Prereq Required) | *Database Management Systems* | |
| 3 | CIS 245 (Spring only - Prereq Required) or CIS278 (Prereq Required) | *Ethical Hacking and Defense or IT Internship* | |
| 3 | SUNY GEN ED Liberal Arts and Science Elective | | G*** |
| **63** | **Minimum credits required for graduation** | | |

Notes on Cybersecurity and Networking AAS (CNET)

| ❖ COURSE PREREQUISITES: | | | |
|---|---|---|---|
| **CIS133** | CIS 131 (pre or corequisite) | **CIS150** | CIS140 or CIS143 |
| **CIS134** | CIS133 | **CIS151** | CIS140 or CIS143 |
| **CIS135** | Any 3-credit CIS class | **CIS232** | CIS131 |
| **CIS136** | CIS131 | **CIS235** | CIS134 and either CIS135 or CIS136 |
| **CIS139** | CIS134 | **CIS237** | CIS140 or CIS143 |
| **CIS140** | MAT108 or higher | **CIS245** | CIS235 and CIS232 (corequisite) |
| **CIS143** | MAT108 or higher | **CIS278** | Permission of Instructor |

| ❖ RECOMMENDED SEQUENCE: | | | |
|---|---|---|---|
| **FIRST YEAR** | | | |
| **First Semester** | | **Second Semester** | |
| 1-2 | HRD 100, HRD 100A or HRD 110 | 4 | CIS 134 |
| 3 | ENG 101 | 3 | CIS 135 (Spring Only) or CIS 136 (Fall Only) |
| 1 | CIS 102 | 3 | CIS 140 (Fall Only) or CIS143 |
| 3 | CIS 131 | 3 | SUNY Gen Ed Liberal Arts and Sciences Elective |
| 4 | CIS 133 | 3 | CIS 151 (Fall Only) or CIS 232 (Spring Only) |
| 3 | SUNY GEN ED Mathematics (and Quantitative Reasoning) - (See Note 1) | | |
| **SECOND YEAR** | | | |
| **Third Semester** | | **Fourth Semester** | |
| 3 | ENG 102-ENG 110 | 3 | SUNY Gen Ed Diversity: Equity, Inclusion and Social Justice |
| 3 | CIS 237 | 3 | CIS 245 or CIS 278 |
| 4 | CIS 235 | 3 | CIS 120 |
| 4 | CIS 139 | 3 | CIS 150 |
| 3-4 | SUNY GEN EN Natural Science Lab Science (and Scientific Reasoning) | 3 | SUNY GEN ED Humanities, The Arts, US History and Civic Engagement, World History and Global Awareness, Social Sciences or World Languages |
| NOTES: | | | |
| 1) STEM based mathematics are required. SUNY Plattsburgh Computer Security baccalaureate degree requires MAT 129. | | | |

❖ **DEFINITION OF COURSE REQUIREMENTS:** See http://catalog.sunyacc.edu/academics/degreerequirements

❖ **FINANCIAL AID RECIPIENTS:** A student **must** choose courses that are within their degree program. Students are encouraged to meet with their assigned academic advisor for any questions about course selection and degree program requirements. Please visit the Office of Financial Aid for any aid-related questions.

❖ **SUNY GEN ED KNOWLEDGE AREAS:** See http://catalog.sunyacc.edu/academics/generaleducation

- ❖ Mathematics (and Quantitative Reasoning) (GMAT)
- ❖ Natural Sciences (and Scientific Reasoning) (GNSC)
- ❖ Social Sciences (GSSC)
- ❖ US History and Civic Engagement (GUSC)
- ❖ World History and Global Awareness (GGLB)
- ❖ Diversity: Equity, Inclusion and Social Justice (GDVR)
- ❖ Humanities (GHUM)
- ❖ The Arts (GART)
- ❖ World Languages (GWRL)
- ❖ Communication – Written and Oral (GCWO)