

Cybersecurity and Networking (A.A.S. Degree) *

FALL 2023-SPRING 2024

Footnotes:

¹ Students with English Proficiency Index (EPI) of 0-49 enroll in corequisite course ENG 100. Students with EPI of 50-64 enroll in corequisite course ENG 110. Students with EPI of at least 65 (or other English proficiency qualification) enroll in ENG 111. Students with ESL need should take appropriate ESL course(s) (Sequence: ESL 01->02->03->09) before enrolling in ENG 110.

² Students are eligible to enroll in MTH 28 if they have successfully completed an elementary algebra math intervention at a CUNY college (e.g., Math Proficiency Workshop, CUNY Start Math, Math Start, or MTH 5), or if they are CUNY Math proficient AND have the appropriate math background in high school. See the Mathematics Course Placement page in the [College Catalog](#).

³ Students not eligible for MTH 28 or higher courses enroll in corequisite course MTH 28.5. However, note that students with Math Proficiency Index of 39 or lower are strongly encouraged to enroll in Math Start/CUNY Start.

⁴ Students who are planning to transfer to senior college programs in Cybersecurity/Networking and similar may complete MTH 30 Pre-Calculus Mathematics in place of PHY 12. It is recommended that students consult with their advisor and review senior college program requirements to determine the best course to take to optimize transfer credit.

⁵ For students who are also enrolling in ENG 110 as a corequisite course.

⁶ See Degree map at: <http://www.bcc.cuny.edu/academics/academic-advising/degree-maps/> for semester-by-semester sequence.

⁷ Students must take FYS 11 prior to earning 24 equated or degree credits. Students who have earned 24 or more equated or degree credits are permitted to use the one credit as a free elective. It is highly recommended that students take FYS 11 in their first or second semester.

*Note:

In order to apply for [graduation](#), students must complete all required courses with appropriate grades, complete two writing intensive courses, and have a minimum GPA of 2.0.

REQUIRED COMMON CORE

<input type="checkbox"/> A <input type="checkbox"/> A	English Composition I ¹ & II ENG 100 ¹ OR ENG 110 ¹ OR ENG 111; AND ENG 112 OR ENG 113 OR ENG 114 OR ENG 115 OR ENG 116	6
<input type="checkbox"/> B	Mathematical and Quantitative Reasoning ^{2,3} MTH 28 ² College Algebra and Elementary Trigonometry OR MTH 28.5 ³ (Corequisite Course)	3
<input type="checkbox"/> C	Life and Physical Sciences PHY 11 College Physics I	4
Subtotal:		13

FLEXIBLE COMMON CORE

<input type="checkbox"/> D Individual and Society COMM 11 Fundamentals of Interpersonal Communication	3	
<input type="checkbox"/> E Scientific World PHY 12 College Physics II ⁴	4	
<input type="checkbox"/> A-E Choose one course from Flexible Core Areas A through E Strongly Recommended: HIS 10 History of the Modern World OR HIS 11 ⁵ Introduction to the Modern World	3	
Subtotal:		10

MAJOR REQUIREMENTS⁶

<input type="checkbox"/> ART 10 OR MUS 10	Art Survey OR Music Survey	1
<input type="checkbox"/> FYS 117	First Year Seminar	1
<input type="checkbox"/> PEA	Physical Education Activity Course	1
Cybersecurity/Networking Requirements		
<input type="checkbox"/> CSN 100	Introduction to Cybersecurity	3
<input type="checkbox"/> CSN 105	Computer Hardware and Software	3
<input type="checkbox"/> CSN 110	Network Fundamentals	3
<input type="checkbox"/> CSN 120	Network Switching and Routing	3
<input type="checkbox"/> CSN 130	Network Operating Systems I	3
<input type="checkbox"/> CSN 132	Network Operating Systems II	3
<input type="checkbox"/> CSN 140	Network Scripting	4
<input type="checkbox"/> CSN 150	Cybersecurity	4
<input type="checkbox"/> CSN 160	Ethical Hacking and Network Penetration Testing	3
<input type="checkbox"/> CSN 170	Internet and Cloud Computing	3
<input type="checkbox"/> CSN 190	Cybersecurity Project	1
<input type="checkbox"/> Free Elective	Free Elective	1
Subtotal:		37
TOTAL:		60