

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

FALL 2022-SPRING 2023

REMEDIAL SEQUENCE (if required)

ESL 1 (8) ▶▶ ESL 2 (6) ▶▶ ESL 3 (6) ▶▶ ENG 9 (4)

ENG 11 (4) ▶▶ ENG 21 (4)

RDL 11 (4) ▶▶ RDL 21 (6)

MTH 12 (4) ▶▶ MTH 52 (6) ▶▶ MTH 62 (6)

CHM 2 (4)

GRADUATION REQUIREMENT

GPA ≥ 2.0 Writing Intensive 1 Writing Intensive 2

FRESHMAN SEMINAR

FYS 11⁶

¹ENG 1/ENG 2 & RDL 1/RDL 2 are no longer offered. Students with ENG/RDL developmental need will now enroll in corequisite course ENG 100 (if English Proficiency Index is 0-49), **OR** ENG 110 (if English Proficiency Index is 50-64).

²MTH 1/MTH 5/MTH 6 are no longer offered. They have been replaced by MTH 28/28.5. Students who 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) are eligible for MTH 28.

³For MTH 28 enrollment, a new student must be CUNY Math Proficient, and will also have to meet one of the following criteria:

Mathematics high school GPA of at least 70 and successful completion of a course beyond Algebra 1, **OR** New York State Regents Trigonometry Score of at least 65, **OR** New York State Regents Common Core Algebra 2 Score of at least 65.

⁴Students 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.

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

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

⁷Students 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.

REQUIRED COMMON CORE

<input type="checkbox"/> A <input type="checkbox"/> A	English Composition ¹ I & II ENG 100 OR ENG 110 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 Reasoning² MTH 28 ³ College Algebra and Elementary Trigonometry OR MTH 28.5 ² (Corequisite Course)	3
<input type="checkbox"/> C	Life and Physical Sciences PHY 11 College Physics I	4
Subtotal:		13

FLEXIBLE COMMON CORE (Course list at: <http://www.bcc.cuny.edu/pathways/?p=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 11 ⁷	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