Minor in Cybersecurity

In this digital era, computer security is a fundamental component of every system, where confidentiality, integrity, availability, authentication, and non-repudiation are of concern. This minor in cybersecurity prepares students to build efficient and secure information systems in various fields, including web development, computer networks, and healthcare information systems.

Students must have officially declared a major.

University Core Curriculum Requirements

General Education Distribution Area	Cr. Hrs.
Fine Arts (FA)* 2 courses, from at least two of the following areas of study: Art, CMT (Mass Media or Theatre), Music (includes Dance).	6
Humanities (HU)* 3 courses, from at least two of the following areas of study: CMT (Communication), English, Linguistics. Philosophy, Women's and Gender Studies, World Languages and Cultures, (Note: No more than two foreign language courses may be used to fulfill this requirement.)	9
Behavioral/Social Sciences (SB)* 3 courses, from at least two of the following areas of study: African & African American Studies, Anthropology, Computer Science, Economics, Geography & Environmental Studies, History, Justice Studies, Latino & Latin American Studies, Political Science, Psychology, Sociology, Social Work	9
Natural Sciences (NS and NSL)** 3 courses, from at least two of the following areas of study; one course must have a laboratory component (NSL): Biology, Chemistry, Earth Science, Environmental Science, Physics (Note: If an FYE ANTH that counts as Natural Science is taken, only one Biology course may be used for Natural Science).	9

Engaged Learning Experiences
Students must complete, at Northeastern, three courses designated as Engaged Learning Experiences courses. One of the Engaged Learning Experiences courses must be at the 300-level, and one Engaged Learning Experiences course must be designated as "Boundary Crossing".

Discipline Specific (ELE-DS)
These courses have pre-requisites that are specific courses within a program of study. Discipline Specific courses give students a deeper understanding of how knowledge is created and applied in their field.

Boundary Crossing (ELE-X)
These are courses that cross disciplinary boundaries and/or cross boundaries through engagements outside the classroom or University allowing students to see how knowledge gained in one field might inform other fields or other aspects of society.

Math/Quantitative Reasoning (MA)
1 Math course, that has intermediate Algebra as prerequisite OR is a course listed on the General Education Distributive Learning List of Approved Courses. Any 3 hour college level math course, beyond Intermediate Algebra, meets this requirement.

*   Majors in Fine Arts, Humanities or Social/Behavioral Sciences, may waive up to 6 credit hours of General Education requirements in the corresponding distribution area.

**   Majors in Natural Sciences may waive up to 9 credit hours of General Education requirements in the Natural Sciences distribution area.

Students should also be aware of all other university requirements to obtain a degree - NEIU requirements (http://catalog.neiu.edu/graduation-requirements/bachelors-degree/)

1. Cybersecurity Minor Required Courses:

Code	Title	Hours
CS-260	Computer Security	3
CS-331	Computer Networks	3
CS-360	Cybersecurity	3
Total Hours		**9**

2. Select two courses from the following list: 6

Code	Title	Hours
CS-315	Modern Database Management	3
CS-323	Cyberlaw	3
CS-343	Introduction To Natural Language Processing	3
CS-345	Network Security	3
CS-349	Introduction To The Internet Of Things	3
CS-351	Data Wrangling For Data Analysis	3
CS-355	Cryptography	3
CS-362	Writing Intensive Program: Digital Forensics	3

Total Hours 15

A student may complete a minor in Cybersecurity by selecting courses totaling at least 15 hours from those offered by the Department of Computer Science. Transfer students must complete a minimum of 9 credit hours toward a minor at Northeastern. The courses must be chosen in consultation with the Department advisor or chairperson.