Lynch School of Education and Human Development

Cyberstrategy & Design Minor

For Lynch School Students only

The Lynch School of Education and Human Development (LSEHD) Cyberstrategy and Design minor consists of 18 credits, 12 of which may not simultaneously be counted towards the BC Common Core or requirements of any other undergraduate major or minor program of study. The LSEHD Cyber minor is designed to advance students' understanding of the intersections of cyberstrategy and human interaction. Students explore introductory and mastery level coursework, select electives from relevant departments, and engage in applied action projects and special topics research specially designed every year. Students are encouraged to choose electives from the list below to curate cyber, information systems, computational, and other focal areas of professional career interest. Students may request approval for additional relevant electives not listed below. Students are encouraged to check "EagleApps Course Information and Schedule" to research new and existing course offerings.

Requirement #1 Minor Core Courses (6 credits) Choose **two** core Cyberstrategy and Design minor courses from below. Courses not selected may be used as minor electives. Senior undergraduates with the declared **Cyberstrategy and Design** minor may take 2 of the 3 Cybersecurity Master of Science graduate course options below (MLSC6000, MLSC6050, or MLSC6500) while at the undergraduate level (i.e., 2 graduate courses in senior fall, or two in senior spring, or 1 senior fall and 1 senior spring). Two graduate courses may be used for preferred admission and courses standing for a 5th-year Master of Science in Cybersecurity degree program at Boston College. See also: 5th-Year Master of Science in Cybersecurity information following electives list.
MLSC6000 Cyber Ecosystem and Security
MLSC6050 Intersection of Cybersecurity Law, Artificial Intelligence (AI) & Privacy
MLSC6500 Organizational Effectiveness: Governance, Risk Management, and Compliance
ERAL4101 Cybersecurity: Innovation, Technology, and Formative Development

Requirement #2 Culmination Experience/Project (3 credits) Senior Thesis/Project (EDUC4961/4962), Readings & Research (EDUC4901), Field Internship (EDUC4199)

Requirement #3 Electives (9 credits) Choose **three** courses from the approved list below. Some courses may require additional faculty or department approvals for registration.
MLSC6000 Cyber Ecosystem and Security
MLSC6050 Intersection of Cybersecurity Law, Artificial Intelligence (AI) & Privacy
MLSC6500 Organizational Effectiveness: Governance, Risk Management, and Compliance
ADIT1200 Cybersecurity Fundamentals

Last updated 10/27/23

ADIT1400 Python
ADIT1450 C++
ADIT2000 Cyber Security
ADIT2100 Computer Networks
ADIT2200 Database Management
ADIT2300 Systems Analysis and Design
ADIT3300 Project Management
ADIT3500 Laws, Frameworks, and Policies in Cybersecurity
ADIT4000 Systems Architecture
ADIT4100 Ethical Hacking
BSLW2050 Data Privacy Law
CSCI2271 Computer Systems
CSCI2281 Cryptography
CSCI3345 Machine Learning
CSCI3354 Databases
CSCI3356 Software Engineering
CSCI3362 Operating Systems
CSCI3363 Computer Networks
CSCI3387 Topics in Computational Intelligence
ERAL4101 Cybersecurity: Innovation, Technology, and Formative Development
ISYS3315 Managing Digital Innovation

5th-Year Master of Science in Cybersecurity Information

Qualified undergraduate students who successfully complete 2 of the graduate level Cybersecurity courses during their senior year with a grade of "B or above" are eligible for preferred admission into the Master of Science Degree in Cybersecurity, which entails the following benefits:

- A waiver of the Master of Science Degree in Cybersecurity application fee;
- A waiver of Graduate Record Exam ("GRE") and/or Graduate Management Admission Test ("GMAT");
- Preferred admission into Master of Science Degree in Cybersecurity without competition of the rest of applicant pool;
- The 2 Cybersecurity graduate courses taken during senior year undergraduate status will apply to count for advanced standing in the qualified student's Master of Science in Cybersecurity degree; and
- Upon successful graduation from their Boston College undergraduate program with a 3.0 GPA or above, qualified students may apply and be immediately advanced to full Master of Science in Cybersecurity graduate student status.

Qualified Cyberstrategy and Design minor students who do not meet the qualifications outlined above may still apply for admission to the Master of Science Degree in Cybersecurity via the standard process.

To declare minor: Please complete a minor declaration form using the Adjust Major or Minor Form.