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 (ADCY 6000, ADCY 6050, or ADCY 6500) 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.

ADCY6050 Cybersecurity Policy: Legal Requirements & Privacy
ADCY6000 Cybersecurity & Cyber Ecosystems
ADCY6500 Organizational Effectiveness: Governance, Risk Management, and Compliance
ADCY4000 Managing Cyber Risk: Mobile Devices and Social Networking
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.
ISYS6641 Cybersecurity Strategy and Management
ISYS4258 Systems Analysis and Design
ISYS1021 Digital Technologies: Strategy and Use
ISYS3315 Managing Digital Innovation

BSLW2500 Privacy and Internet Law
ERAL4101 Cybersecurity: Innovation, Technology, and Formative Development
ADCY4000 Managing Cyber Risk: Mobile Devices and Social Networking
ADIT2500 Cybersecurity Fundamentals
ADIT2000 Computer Security
ADIT4040 Coding and Design
ADIT4058 Systems Architecture
ADIT1985 Python
ADIT1360 Database Management
ADIT1350 Introduction to Programming
ADIT3308 Project Management
CSCI338101 Cryptography
CSCI335701 Database Systems Implementation
CSCI336301 Computer Networks
CSCI336201 Operating Systems
CSCI335601 Software Engineering
CSCI339701 Topics in Computational Intelligence
CSCI334501 Machine Learning
CSCI2271 Computer Systems
ADCY6050 Cybersecurity Policy: Legal Requirements & Privacy
ADCY6000 Cybersecurity & Cyber Ecosystems
ADCY6500 Organizational Effectiveness: Governance, Risk Management, and Compliance

5th-Year Master of Science in Cybersecurity information.

Qualified undergraduate students, who successfully complete 2 of the graduate level Cybersecurity courses during 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.

Questions about a LSEHD Cyberstrategy and Design minor? See Dr. Julia DeVoy or stop by the
 Office of Undergraduate Programs (Campion 104).