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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ADCY6050</td>
<td>Cybersecurity Policy: Legal Requirements &amp; Privacy</td>
</tr>
<tr>
<td>ADCY6000</td>
<td>Cybersecurity &amp; Cyber Ecosystems</td>
</tr>
<tr>
<td>ADCY6500</td>
<td>Organizational Effectiveness: Governance, Risk Management, and Compliance</td>
</tr>
<tr>
<td>ADCY4000</td>
<td>Managing Cyber Risk: Mobile Devices and Social Networking</td>
</tr>
<tr>
<td>ERAL4101</td>
<td>Cybersecurity: Innovation, Technology, and Formative Development</td>
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</tbody>
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**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.

<table>
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<tbody>
<tr>
<td>ISYS6641</td>
<td>Cybersecurity Strategy and Management</td>
</tr>
<tr>
<td>ISYS4258</td>
<td>Systems Analysis and Design</td>
</tr>
<tr>
<td>ISYS1021</td>
<td>Digital Technologies: Strategy and Use</td>
</tr>
<tr>
<td>ISYS3315</td>
<td>Managing Digital Innovation</td>
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Last updated 10/27/23
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<tbody>
<tr>
<td>BSLW2500</td>
<td>Privacy and Internet Law</td>
</tr>
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<td>ERAL4101</td>
<td>Cybersecurity: Innovation, Technology, and Formative Development</td>
</tr>
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<td>ADCY4000</td>
<td>Managing Cyber Risk: Mobile Devices and Social Networking</td>
</tr>
<tr>
<td>ADIT2500</td>
<td>Cybersecurity Fundamentals</td>
</tr>
<tr>
<td>ADIT2000</td>
<td>Computer Security</td>
</tr>
<tr>
<td>ADIT4040</td>
<td>Coding and Design</td>
</tr>
<tr>
<td>ADIT4058</td>
<td>Systems Architecture</td>
</tr>
<tr>
<td>ADIT1985</td>
<td>Python</td>
</tr>
<tr>
<td>ADIT1360</td>
<td>Database Management</td>
</tr>
<tr>
<td>ADIT1350</td>
<td>Introduction to Programming</td>
</tr>
<tr>
<td>ADIT3308</td>
<td>Project Management</td>
</tr>
<tr>
<td>CSCI338101</td>
<td>Cryptography</td>
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<tr>
<td>CSCI335701</td>
<td>Database Systems Implementation</td>
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<tr>
<td>CSCI336301</td>
<td>Computer Networks</td>
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<tr>
<td>CSCI336201</td>
<td>Operating Systems</td>
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<tr>
<td>CSCI335601</td>
<td>Software Engineering</td>
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<tr>
<td>CSCI339701</td>
<td>Topics in Computational Intelligence</td>
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<tr>
<td>CSCI334501</td>
<td>Machine Learning</td>
</tr>
<tr>
<td>CSCI2271</td>
<td>Computer Systems</td>
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**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).

Last updated 10/27/23