



## City Colleges of Chicago Transfer Guide Bachelor of Science in Cybersecurity

Available at:  
NEIU Main Campus (Chicago, IL)  
El Centro (Chicago, IL)  
University Center (Grayslake, IL)

### Why Choose Northeastern?

Northeastern Illinois University is committed to providing an affordable education. That's why our tuition and fees are among the most affordable of the Illinois public universities. We offer a **tuition guarantee program** that guarantees incoming students the same tuition rate for four years.

Northeastern offers more than 50 undergraduate degree and certificate programs, with classes on weekdays, evenings, weekends, and online. Small class sizes allow for students to pursue a more personal academic experience in one of the most ethnically diverse universities in the nation.

### Cybersecurity Program Description

Cybersecurity is an emerging science that concerns the protection of assets through assessing the vulnerabilities of cyber systems and creating incident response strategies to promptly countermeasure adversaries' attacks. A wide range of knowledge and practical skills is needed to design and maintain the security of information systems and underlying infrastructures. The Cybersecurity Program at the Department of Computer Science covers fundamental and advanced security topics to prepare graduates for joining the cybersecurity workforce or starting and successfully completing a Master's degree in Cybersecurity or related fields. In addition to the fundamentals of programming, data structures, and algorithms, students who complete the program will learn cryptography and its applications, networking and network security, operating systems and security, Internet and application security, security auditing, vulnerability assessment and penetration testing, incident response and enterprise security frameworks, and digital forensics. Hands-on laboratories are an essential component of the security courses, where students put the learned knowledge into practice.

### Contact Information

**Northeastern Illinois University Transfer Center:** Students who have questions about the program prior to admission may contact the Northeastern Illinois University Transfer Center at (773) 442-4076 or email [TransferSteps@neiu.edu](mailto:TransferSteps@neiu.edu).

**Student Center for Science Engagement (SCSE):** The SCSE supports students enrolled in majors in the biology, chemistry, computer science, earth science, environmental science, math, physics, and psychology fields. For more information, please contact Laura West, Student Academic Services Specialist in STEM at 773-442-5664 or [L-West2@neiu.edu](mailto:L-West2@neiu.edu).

### Admission Requirements

- Students must have earned a minimum cumulative grade point average of 2.0 or higher for all college or university course work attempted. Students must be in good academic standing at the last college or university attended.
- Required documents are: application for admission, \$30 nonrefundable application fee, and official transcripts from all colleges and universities.
- Additional Admission and application materials, including the option to apply online can be found at [www.neiu.edu/Transfer](http://www.neiu.edu/Transfer).
- Application deadlines are as follows:

Semester Applying	Deadline to Apply	International Student Deadline to Apply
Fall	August 1	June 15
Spring	December 1	October 1
Full/First Half Summer	April 1	March 1
Second Half Summer	May 1	N/A – Full Summer Only

## General Education Requirements

Three options are available to students who plan to complete their General Education requirements at Oakton.

- **Associate of Arts or Associate of Science:** Students who transfer with an approved Illinois Community College Board (ICCB) Model Associate of Arts or Associate of Science degree will have met Northeastern Illinois University's General Education Requirements. For information regarding completing an Associate of Arts or Associate of Science at Oakton, including assistance with course selection, please visit Academic Advising Services at Oakton. More information is available at their website (<https://www.oakton.edu/academics/academic-services/advising/>) or by calling (847) 635-1700.
- **Complete the Illinois Articulation Initiative (IAI):** Students who transfer after completing the Illinois Articulation Initiative (IAI) will have met their General Education requirements. For information regarding the Illinois Articulation Initiative, including courses at Oakton that fulfill General Education requirements, please visit the iTransfer web site at [www.itransfer.org](http://www.itransfer.org).
- **Transfer Course Lists for Oakton:** Students may choose to meet their General Education requirements by selecting courses from Northeastern's Transfer Course Equivalency Guides, available at: [www.neiu.edu/Transfer](http://www.neiu.edu/Transfer). **When choosing this option, please use the following Northeastern General Education guide:**

Northeastern Illinois University General Education Program		
The General Education Program requires a minimum of <b>36 credit hours</b> of courses distributed among five areas.		
Northeastern Illinois University Requirement	Credits	Oakton College Equivalent (if any)
<b>Math / Quantitative Reasoning – one course (3 hours)</b>	3	<ul style="list-style-type: none"> <li>• Students who major in Cybersecurity at Northeastern should fulfill this requirement by taking MAT 140 College Algebra at Oakton.</li> </ul>
<b>Social / Behavioral Sciences 3 courses (9 hours)</b>	9	<ul style="list-style-type: none"> <li>• No more than two courses from the same department may be used.</li> </ul>
<b>Natural Sciences 3 courses (9 hours)</b>	9	<ul style="list-style-type: none"> <li>• No more than two courses from the same department may be used.</li> <li>• One course must have a <b>lab</b> component.</li> </ul>
<b>Fine Arts 2 courses (6 hours)</b>	6	<ul style="list-style-type: none"> <li>• No more than one course from the same department may be used.</li> </ul>
<b>Humanities 3 courses (9 hours)</b>	9	<ul style="list-style-type: none"> <li>• No more than two courses from the same department may be used.</li> <li>• No more than two foreign language courses may be used to fulfill this requirement.</li> </ul>
<b>Non-General Education University Requirements (3-6 hours)</b>	3-6	<ul style="list-style-type: none"> <li>• <b>EGL 101</b> Composition I at Oakton with a grade of "C" or better.</li> <li>• Improving Human Relations Requirement – can be met through one of many general education courses. Please see the <a href="#">Transfer Course Equivalency Guide</a> to find courses meeting the Human Relations requirement at your school.</li> </ul>

**Degree Plan\***

D: Degree GECC: General Education Core Curriculum					
Semester-by-Semester Program Plan for Full-Time Students <i>*All plans can be modified to fit the needs of part-time students by adding additional semesters</i>					
D	GECC	Semester 1	Oakton Category	NEIU Category	Next Actions
•	•	EGL 101 Composition I (3)	Communication	Writing Requirement	<b>DO THIS</b> – Meet with advisor to discuss academic goals and plan coursework  <b>DO THIS</b> – Visit your campus Advising Center
•	•	Social Science Course (3)	Social Science	General Education	
•	•	Fine Arts Course (3)	Fine Arts	General Education	
•	•	Humanities Course (3)	Humanities	General Education	
•		MAT 140 College Algebra (4)	Elective	Math/Quantitative Reasoning	
<b>16 Credit Hours</b>					
D	GECC	Semester 2	Oakton Category	NEIU Category	Next Actions
•	•	EGL 102 Composition II (3)	Communication	Elective	<b>DO THIS</b> – Mid-term check-in with advisor  <b>DO THIS</b> – <a href="#">Apply</a> to NEIU’s Guaranteed Admission Program (GAP)
•	•	CSC 155 or 156 or 157 Computer Science I (3)	Elective	Major Requirement – CS 200	
•	•	CSC 144 Discrete Mathematics (3)	Mathematics	Major Requirement – CS 201	
•	•	SPE 103 Effective Speech (3)	Communication	General Education	
•		Elective Course (3)	Elective	Elective	
<b>15 Credit Hours</b>					
D	GECC	Semester 3	Oakton Category	NEIU Category	Next Actions
•	•	Life Science or Physical Science Course (3-4)	Life/Physical Science	General Education	<b>DO THIS</b> – Mid-term check-in with advisor  <b>DO THIS</b> – Begin seeking additional four-year funding  <b>DO THIS</b> – <a href="#">Apply for admission</a> to NEIU
•	•	Humanities or Fine Arts Course (3)	Humanities/Fine Arts	General Education	
•	•	Social Science Course (3)	Social Science	General Education	
•		CSC 240 or 241 or 242 or 255 Data Structures (3)	Elective	Major Requirement – CS 207	
•		Elective Course (3)	Elective	Elective	
<b>15-16 Credit Hours</b>					
D	GECC	Semester 4	Oakton Category	NEIU Category	Next Actions
•	•	Life Science or Physical Science Course (3-4)	Life/Physical Science	General Education	<b>DO THIS</b> – Petition to graduate  <b>COMPLETION</b> of Associate of Arts Degree  <b>DO THIS</b> – <a href="#">Register for NEIU orientation</a> (once admitted)
•	•	Social Science Course (3)	Social Science	General Education	
•		CIS 215 or 235 or CSC 204 or 211 (3)	Elective	Major Electives – CS 301	
•		Elective Course (3)	Elective	Elective	
•		Elective Course (3)	Elective	Elective	
<b>15-16 Credit Hours</b>					
<b>MINIMUM TOTAL AA CREDIT HOURS: 60</b> <b>WRITTEN DEGREE PLAN CREDIT RANGE: 61-63</b>					

**Note:**

- All Oakton College students must complete the U.S. Diversity Requirement and the Global Studies requirements as part of their associate’s degree. See your Oakton College advisor for course options.
- All students who earn an Associate of Arts Degree from Oakton College enter Northeastern with 64 hours of transfer credit, even if they earned less than 64 credit hours. See the [NEIU Transfer Policy](#) for further information.
- Students have the option of completing a minor course of study along with their major in Computer Science. Minor courses of study at Northeastern are 15-21 credit hours and can be completed in place of general electives without adding additional semesters or credit hours to a student’s graduation plan.

<b>Northeastern Illinois University</b> <i>All plans can be modified to fit the needs of part-time students by adding additional semesters</i>		
<b>Semester 5</b>	<b>NEIU Category</b>	
CS 331 Computer Networks (3)	Major Requirement	<b>DO THIS</b> – Meet with the Computer Science Department to declare your major, have your transcripts evaluated, and get advice about the next courses you should take.
CS 260 Computer Security (3)	Major Requirement	
CS 324 Introduction to the Design of Algorithms (3)	Major Requirement	
CS 300 Level Major Elective (3)	Major Elective Requirement	
Any Level Elective (3)	Elective	
<b>15 Credit Hours</b>		
<b>Semester 6</b>	<b>NEIU Category</b>	<b>Next Actions</b>
CS 308 Operating Systems (3)	Major Requirement	<b>DO THIS</b> – Meet with your Computer Science advisor
CS 315 Modern Database Management (3)	Major Requirement	
CS 323 Cyberlaw (3)	Major Requirement ELE-X Requirement	
Any Level Elective (3)	Elective	
<b>12 Credit Hours</b>		
<b>Semester 7</b>	<b>NEIU Category</b>	<b>Next Actions</b>
CS 360 Cybersecurity (3)	Major Requirement ELE-DS Requirement	<b>DO THIS</b> – Meet with your Computer Science advisor
CS 355 Cryptography (3)	Major Requirement	
CS 345 Network Security (3)	Major Requirement	<b>DO THIS</b> – Apply for graduation
300 Level Elective (3)	Elective/Upper Division	
300 Level Elective (3)	Elective/Upper Division	
<b>15 Credit Hours</b>		<b>DO THIS</b> – Meet with Career Services for career counseling
<b>Semester 8</b>	<b>NEIU Category</b>	
CS 362 WIP: Digital Forensics (3)	Major Requirement WIP Requirement ELE-DS Requirement	
300 Level Elective (3)	Elective/Upper Division	
Any Level Elective (4)	Elective	
Any Level Elective (4)	Elective	
<b>14 Credit Hours</b>		<b>COMPLETION</b> of Bachelor of Science Degree
<b>BACHELOR'S DEGREE MINIMUM TOTAL: 120 CREDIT HOURS</b>		

## Financial Aid and Scholarships

For information about financing your education at Northeastern, including Financial Aid and Scholarship opportunities, please see our website: <http://www.neiu.edu/financial-aid/>. You may also contact our Financial Aid Office directly at (773) 442-5016 or email [Financial-Aid@neiu.edu](mailto:Financial-Aid@neiu.edu). If you are completing the Free Application for Federal Student Aid (FAFSA), Northeastern's federal School code is **001693**.

### Provost and Deans Merit Scholarships for TRANSFER students\*:

Scholarship	Amount Awarded	Credit Hour Requirement	GPA Requirement	Residency Requirement	NEIU Enrollment Requirement
Provost Merit	\$2,000	60+ credit hours	3.50 GPA	Illinois Residency	Full-Time (12+ credit hours)
Dean's Merit	\$1,000	60+ credit hours	3.0 GPA	Illinois Residency	Full-Time (12+ credit hours)

*Until all of the scholarships are awarded, students who meet these qualifications will automatically be considered for the Provost and Deans Merit Scholarships at the time of applying for admission to Northeastern. Completing an additional application is not necessary.* The Office of Scholarships may be reached at (773) 442-4606 or [scholarships@neiu.edu](mailto:scholarships@neiu.edu).