

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

Available at: NEIU Main Campus (Chicago, IL) El Centro (Chicago, 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 <u>TransferSteps@neiu.edu</u>.

**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.

#### **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 <u>www.neiu.edu/Transfer</u>.
- Application deadlines are as follows:

Semester Applying	Deadline to Apply	International Student Deadline to Apply
Fall	August 1	June 15
Spring	November 1	October 1
Summer I	April 1	March 1
Summer II	May 1	April 1

#### **General Education Requirements**

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

- 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 CCC, including assistance with course selection, please visit Advising Services at CCC. More information is available at their website (<u>http://www.ccc.edu/departments/Pages/Advising.aspx</u>) or by calling (773) 265-5343.
- **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 CCC that fulfill General Education requirements, please visit the iTransfer web site at www.itransfer.org.
- Transfer Course Lists for CCC: Students may choose to meet their General Education requirements by selecting courses from Northeastern's Transfer Course Equivalency Guides, available at: <a href="http://www.neiu.edu/Transfer">www.neiu.edu/Transfer</a>. 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	City Colleges of Chicago Equivalent (if any)					
Math / Quantitative Reasoning – one course (3 hours)	3	<ul> <li>Students who major in Information Technology at Northeastern should fulfill this requirement by taking MATH 140 College Algebra at CCC.</li> </ul>					
Social / Behavioral Sciences 3 courses (9 hours)	9	<ul> <li>No more than two courses from the same department may be used.</li> </ul>					
Natural Sciences 3 courses (9 hours)	9	<ul> <li>No more than two courses from the same department may be used.</li> <li>One course must have a lab component.</li> </ul>					
Fine Arts 2 courses (6 hours)	6	• No more than one course from the same department may be used.					
Humanities 3 courses (9 hours)	9	<ul> <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>					
Non-General Education University Requirements (3-6 hours)	3-6	<ul> <li>ENGLISH 101 Composition I at City Colleges of Chicago 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 <u>Transfer Course Equivalency Guide</u> to find courses meeting the Human Relations requirement at your school.</li> </ul>					

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Programming II (3)*     DO THIS – Apply for NEIU       GECC     Semester 4     CCC Category     NEIU Category     Next Actions       •     Life Sciences Course (4)     Life Sciences     General Education     DO THIS – Petition to Next Actions       •     Physical or Life Science Courses (3)     Physical/Life Sciences     General Education     DO THIS – Petition to CIS 142 C++ Object Oriented       •     CIS 142 C++ Object Oriented Programming I (3)     Elective     Elective     COMPLETION of Ass Science Degree       •     CIS 260 Computer Information Systems Field Project (3)     Elective     Elective     DO THIS – Register for Notice (structure)	in running
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GECC         Semester 4         CCC Category         NEIU Category         Next Actions           •         Life Sciences Course (4)         Life Sciences         General Education         DO THIS – Petition to the science courses (3)           •         Physical or Life Science Courses (3)         Physical/Life Sciences         General Education         DO THIS – Petition to the science courses (3)           •         CIS 142 C++ Object Oriented         Elective         Elective         COMPLETION of Associated science courses (3)           •         CIS 260 Computer Information         Elective         Elective         Course course course courses (3)           •         CIS 260 Computer Information         Elective         Elective         Course	
•       Life Sciences Course (4)       Life Sciences       General Education       DO THIS – Petition to the science to	
•         Physical or Life Science Courses (3)         Physical/Life Sciences         General Education           CIS 142 C++ Object Oriented Programming I (3)         Elective         Elective         COMPLETION of Associated Science Degree           CIS 260 Computer Information Systems Field Project (3)         Elective         Elective         DO THIS – Register information	the eventuel :
CIS 142 C++ Object Oriented Programming I (3)     Elective     Elective     COMPLETION of Ass Science Degree       CIS 260 Computer Information Systems Field Project (3)     Elective     Elective     DO THIS - Register in the project in the pr	to graduate
Programming I (3)     Elective     Elective       CIS 260 Computer Information Systems Field Project (3)     Elective     Elective	consists of
CIS 260 Computer Information Systems Field Project (3) Elective DO THIS – Register	ssociate of
Systems Field Project (3)         DO THIS – Register	
	for NEUL
13 Credit Hours Office at	
MINIMUM TOTAL AS CREDIT HOURS: 60	summered)

## **Degree Plan\***

#### Notes:

- All students who earn an Associate of Science degree from City Colleges of Chicago enter Northeastern with 64 hours of transfer credit, even if they earned less than 64 credit hours. See the <u>NEIU Transfer Policy</u> for further information.
- All City Colleges of Chicago students must complete the Human Diversity requirement as part of their associate's degree. See your City Colleges of Chicago advisor for course options.
- \*CS 142 C++ Object Oriented Programming I and CS 242 C++ Object Oriented Programming II may be taken in place of CS 144 and CS 244 only with prior approval from the Computer Science department at NEIU.

Northeastern Illinois University						
All plans can be modified to fit the n	needs of part-time students	s by adding additional semesters				
Semester 5	NEIU Category					
CS 331 Computer Networks (3)	Major Requirement	<b>DO THIS</b> – Meet with the Computer Science Department				
CS 319 WIP: Fundamentals of Software Engineering (3)	Major Elective Requirement	to declare your major, have your transcripts evaluated,				
	WIP Requirement	and get advice about the next courses you should take.				
	ELE-DS Requirement					
CS 260 Computer Security (3)	Major Requirement					
CS 324 Introduction to the Design of Algorithms (3)	Major Requirement					
CS 301 Computer Organization (3)	Major Elective Requirement					
	15 Credit Hours					
Semester 6	NEIU Category	Next Actions				
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					
	12 Credit Hours					
Semester 7	NEIU Category	Next Actions				
CS 360 Cybersecurity (3)	Major Requirement	<b>DO THIS</b> – Meet with your Computer Science advisor				
CS 300 Level ELE-DS Elective (select in consultation w/advisor)	ELE-DS Requirement					
(3)		DO THIS – Apply for graduation				
CS 355 Cryptography (3)	Major Requirement					
CS 362 Digital Forensics (3)	Major Requirement	<b>DO THIS</b> – Meet with Career Services for career				
300 Level Elective (3)	Elective/Upper Division	counseling				
	15 Credit Hours					
Semester 8	NEIU Category	Next Actions				
CS 345 Network Security (3)	Major Requirement	<b>DO THIS</b> – Meet with your Computer Science advisor				
300 Level Elective (3)	Elective/Upper Division					
Any Level Elective (4)	Elective	DO THIS – Meet with Career Services for career				
Any Level Elective (4)	Elective	counseling				
	14 Credit Hours	COMPLETION of Bachelor of Science Degree				
BACHELOR'S DEGREE MINIM	UM TOTAL: 120 CREDIT HOURS					

# Financial Aid and Scholarships

For information about financing your education at Northeastern, including Financial Aid and Scholarship opportunities, please see our website: <u>http://www.neiu.edu/financial-aid</u>/. You may also contact our Financial Aid Office directly at (773) 442-5016 or email <u>Financial-Aid@neiu.edu</u>. 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.