Harper College Transfer Guide
Bachelor of Science in Computer Science
Computer Science Concentration

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.

Computer Science Program Description

The Bachelor of Science degree in Computer Science prepares students to pursue graduate study or to assume positions that include software engineering, technical programming, and the application of computers and related technologies to problems in industry such as computer security, network design and management, and Web design. Students will also acquire sufficient theoretical background to enable them to keep up with the rapid changes in computer technology and methodology.

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.

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 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	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 Harper College.

- **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.

- **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 Harper that fulfill General Education requirements, please visit the iTransfer web site at www.itransfer.org.

- *Transfer Course Lists* **for Harper**: 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. ***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 **36 credit hours** of courses distributed among five areas.		
Northeastern Illinois University Requirement	**Credits**	**Harper College Equivalent (if any)**
Math / Quantitative Reasoning – one course (3 hours)	3	• Students who major in Computer Science at Northeastern should fulfill this requirement by taking MTH 103 College Algebra at Harper.
Social / Behavioral Sciences **3 courses (9 hours)**	9	• No more than two courses from the same department may be used.
Natural Sciences **3 courses (9 hours)**	9	• No more than two courses from the same department may be used. • One course must have a **lab** component.
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	• No more than two courses from the same department may be used. • No more than two foreign language courses may be used to fulfill this requirement.
Non-General Education University Requirements (3-6 hours)	3-6	• **ENG 101** Composition at Harper College with a grade of "C" or better. • Improving Human Relations Requirement – can be met through one of many general education courses. Please see the Transfer Course Equivalency Guide to find courses meeting the Human Relations requirement at your school.

Degree Plan*

D: Degree GECC: General Education Core Curriculum		Semester-by-Semester Program Plan for Full-Time Students *All plans can be modified to fit the needs of part-time students by adding additional semesters			
D	**GECC**	**Semester 1**	**Harper Category**	**NEIU Category**	**Next Actions**
●	●	ENG 101 Composition (3)	Communication	Writing Requirement – ENGL 101	**DO THIS** – Visit your campus Advising Center
●	●	Social/Behavioral Science Course (3)	Social Science	General Education	
●	●	Humanities Course (3)	Humanities	General Education	

			Harper Category	NEIU Category	Next Actions
●		MTH 103 College Algebra (3)	Prerequisite	Math/Quantitative Reasoning Major Prerequisite – MATH 173	**DO THIS** – Meet with advisor to discuss academic goals and plan coursework
●		CIS 106 Computer Logic and Programming Technology (3)	Prerequisite – CSC 121	Elective	
				15 Credit Hours	
D	**GECC**	**Semester 2**	**Harper Category**	**NEIU Category**	**Next Actions**
●	●	ENG 102 Composition (3)	Communication	Elective – ENGL 102	**DO THIS** – Mid-term check-in with advisor
●	●	Humanities Course (3)	Humanities	General Education	
●	●	MTH 220 Discrete Mathematics (3)	Mathematics	Core Major Requirement – CS 201	**DO THIS** – Apply to NEIU's Guaranteed Admission Program (GAP)
●	●	Social/Behavioral Science Course (3)	Social Science	General Education	
●		CSC 121 Computer Science I (4)	Prerequisite – CSC 214	Elective	
				16 Credit Hours	
D	**GECC**	**Semester 3**	**Harper Category**	**NEIU Category**	**Next Actions**
●	●	SPE 103 Fundamentals of Speech (3)	Communication	General Education – CMTC 101	**DO THIS** – Mid-term check-in with advisor
●	●	Physical Sciences Course (3-4)	Physical Sciences	General Education	**DO THIS** – Begin seeking additional four-year funding
●	●	Fine Arts Course (3)	Fine Arts	General Education	
●		CSC 214 Java Programming (4)	Elective	Core Major Requirement – CS 200	**DO THIS** – Apply for admission to NEIU
●		CSC 122 Computer Science II (4)	Prerequisite – CSC 216	Elective	
				17-18 Credit Hours	
D	**GECC**	**Semester 4**	**Harper Category**	**NEIU Category**	**Next Actions**
●	●	Life Sciences Course (3-4)	Life Sciences	General Education	**DO THIS** – Petition to graduate
●	●	Social/Behavioral Sciences (3)	Social Sciences	General Education	
●		CSC 216 Data Structures and Algorithm Analysis (4)	Elective	Core Major Requirement – CS 207	**COMPLETION** of Associate of Arts Degree
●		CSC 217 Assembler Programming and Machine Organization (4)	Elective	Core Major Requirement – CS 301	**DO THIS** – Register for NEIU orientation (once admitted)
				14-15 Credit Hours	
			MINIMUM TOTAL AA CREDIT HOURS: 60		
			WRITTEN DEGREE PLAN CREDIT RANGE: 62-64		

Notes:

- All students who earn an Associate of Arts degree from Harper 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.
- All Harper College students must complete one World Cultures and Diversity course as part of their associate's degree. See your Harper College advisor for course options.

Northeastern Illinois University		
All plans can be modified to fit the needs of part-time students by adding additional semesters		
Semester 5	**NEIU Category**	
CS 308 Operating Systems (3)	Core Major Requirement	**DO THIS** – 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 319 WIP: Fundamentals of Software Engineering (3)	Core Major Requirement WIP Requirement ELE-DS Requirement	
CS 324 Introduction to the Design of Algorithms (3)	Core Major Requirement	
CS 300 Level Concentration Elective (select in consultation w/advisor) (3)	Major Requirement	
MATH 187 Calculus I (4)	Major Requirement	
	16 Credit Hours	
Semester 6	**NEIU Category**	**Next Actions**
CS ELE-X 300 Level Elective (select in consultation w/advisor) (3)	Major Requirement ELE-X Requirement	**DO THIS** – Meet with your Computer Science advisor
CS 300 Level Required Concentration Course (select in consultation w/advisor) (3)	Major Requirement	
CS 300 Level Required Concentration Course (select in consultation w/advisor) (3)	Major Requirement	
MATH 202 Calculus II (4)	Major Requirement	
	13 Credit Hours	

Semester 7	NEIU Category	Next Actions
CS 300 Level Required Concentration Course (select in consultation w/advisor) (3)	Major Requirement	**DO THIS** – Meet with your Computer Science advisor
CS 300 Level Concentration Elective (select in consultation w/advisor) (3)	Major Requirement	**DO THIS** – Apply for graduation
CS 300 Level Concentration Elective (select in consultation w/advisor) (3)	Major Requirement	**DO THIS** – Meet with Career Services for career counseling
MATH 253 Linear Algebra I (3)	Major Requirement	
Any Level Elective (3)	Elective	
15 Credit Hours		
Semester 8	NEIU Category	Next Actions
CS 300 Level ELE-DS Elective (select in consultation w/advisor) (3)	ELE-DS Requirement	**DO THIS** – Meet with your Computer Science advisor
One of MATH 305, MNGT 368 or CS 322 (3)	Major Requirement	**DO THIS** – Meet with Career Services for career counseling
Any Level Elective (3)	Elective	
Any Level Elective (3)	Elective	
12 Credit Hours		**COMPLETION** of Bachelor of Science Degree
BACHELOR'S DEGREE MINIMUM 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: 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. 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.