



City Colleges of Chicago Transfer Guide Bachelor of Science in Chemistry

Available at:
NEIU Main Campus (Chicago, IL)

Chemistry Program Description

The Bachelor of Science degree in Chemistry prepares students for careers in industry, environmental chemistry positions, and teaching as well as for graduate study. Undergraduate courses also provide appropriate backgrounds for students planning careers in medicine, dentistry, nursing and related professional health fields. The chemistry curriculum meets standards established by the American Chemical Society (ACS) Committee on Professional Training and students completing the ACS track will earn a certificate stating that they have met ACS standards for professional training.

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, 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:

		<i>International Applicants</i>
Fall	July 15	June 1
Spring	November 1	October 1
Summer I	April 1	March 1
Summer II	May 1	April 1

Transfer Policies

- Students with an AA degree from an Illinois Community College and/or completion of the IAI will have fulfilled Northeastern Illinois University's general education requirements.
- A maximum of 64 semester hours may be transferred to Northeastern from a community college. In cases where both a community college and university were attended, a maximum of 90 semester hours are accepted, with a maximum of 64 semester hours allowed at the community college level.
- Additional information about transferring and transfer policies are available at www.neiu.edu/Transfer.

Northeastern Illinois University Degree Requirements

- 1.) **General Education:** 36 credit hours (see requirements below)
- 2.) **English 101 or equivalent (grade of "C" or higher):** At CCC, take ENGLISH 101 - Composition
- 3.) **Total Credits and Credit Levels:** A minimum of 120 semester hours must be earned by every undergraduate student to be eligible to graduate from Northeastern. **Students must complete a minimum of 40 semester hours at the 300 level to meet the Upper Division requirement.**
- 4.) **Major Program:** Undergraduate students must declare and complete a major. Students must earn a grade of "C" or higher in all courses counted toward the major. No "P" grades will count toward a major.
- 5.) **Residency:** Must complete a minimum of 30 credit hours at Northeastern.
- 6.) **GPA:** Students must have a minimum cumulative 2.0 GPA (overall "C" average). Some academic programs and departments have other specific grade requirements.
- 7.) **Improving Human Relations:** The Improving Human Relations requirement may be met through the General Education program. Courses are available in both the Humanities and Social / Behavioral Sciences categories. You may choose a course that meets the Improving Human Relations requirement **and** Humanities or Social / Behavioral Sciences.
- 8.) **WIP (Writing Intensive Program):** Students must successfully complete a writing intensive course within their discipline. **This course must be completed at Northeastern.** Students completing the Bachelors of Science in Chemistry fulfill this requirement by taking CHEM 213 – WIP: Quantitative Analysis.
- 9.) **University Core Curriculum (UCC):** Students must complete three Engaged Learning Experience (ELE) courses. ELE courses are either Boundary Crossing (ELE-X) or Discipline Specific (ELE-DS) and are chosen in consultation with the student's advisor. At least one course must be at the 300 level and one course must be an ELE-X course as part of meeting the requirement.

General Education Requirements

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

- **Associate of Arts:** Students who transfer with an approved Illinois Community College Board (ICCB) Model Associate of Arts degree will have met Northeastern Illinois University's General Education Requirements. For information regarding completing an Associate of Arts at CCC, including assistance with course selection, please visit Advising Services at CCC. More information is available at their website (<http://www.ccc.edu/departments/Pages/Advising.aspx>) or by calling (773) 265-5343.
- **Associate of Science:** Students who transfer with an approved Illinois Community College Board (ICCB) Model Associate of Science degree granted August 2016 or earlier will have met Northeastern Illinois University's General Education requirements. Students who transfer with an approved ICCB Model Associate's degree granted December 2016 or later may need to take one additional Humanities course and one additional Social and Behavioral Sciences course to meet Northeastern's General Education requirements. For information regarding completing an Associate of Arts at CCC, including assistance with course selection, please visit Advising Services at CCC. More information is available at their website (<http://www.ccc.edu/departments/Pages/Advising.aspx>) 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: 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 5 areas.		
Northeastern Illinois University Requirement	Credits	City Colleges of Chicago equivalent (if any)
Math / Quantitative Reasoning 1 course	3	Students who major in Chemistry at Northeastern can fulfill this requirement at CCC by taking MATH 207 – Calculus & Analytic Geometry I.
Social / Behavioral Sciences 3 courses	9	<ul style="list-style-type: none"> • No more than two courses from the same department may be used.
Natural Sciences 3 courses	9	<ul style="list-style-type: none"> • Students will fulfill the Natural Sciences requirement by completing the major in Chemistry.
Fine Arts 2 courses	6	<ul style="list-style-type: none"> • No more than one course from the same department may be used.
Humanities 3 courses	9	<ul style="list-style-type: none"> • 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.

Chemistry Major Requirements

Northeastern Illinois University Chemistry Major: 59-61 credits (43-45 in Chemistry and 16 in cognate areas)		
Northeastern Illinois University Course	Credits	City Colleges of Chicago equivalent (if any)
CHEM 211 General Chemistry I	5	CHEM 201 General Chemistry I
CHEM 212 General Chemistry II	4	CHEM 203 General Chemistry II
CHEM 213 WIP: Quantitative Analysis (This course must be taken at Northeastern)	5	<i>No Equivalency at City Colleges of Chicago</i>
CHEM 231 Organic Chemistry I	4	CHEM 205 Organic Chemistry I
CHEM 232 Organic Chemistry II	4	CHEM 207 Organic Chemistry II
CHEM 311 Physical Chemistry I	4	<i>No Equivalencies at City Colleges of Chicago</i>
CHEM 312 Physical Chemistry II	4	
CHEM 330 Instrumental Analysis: Spectroscopy Or	4	
CHEM 331 Instrumental Analysis: Quantitative Methods		
CHEM 391 Chemistry Capstone Seminar	3	
Two elective courses <i>Selected from a list of department approved 300-level chemistry courses.</i>	6-8	

Cognate Courses (16 credits)		
MATH 187 Calculus I	4	MATH 207 Calculus & Analytic Geometry I
MATH 202 Calculus II	4	MATH 208 Calculus & Analytic Geometry II
Two Semesters of Physics <i>Algebra Based:</i> PHYS 201 College Physics I <u>and</u> PHYS 202 College Physics II <u>with labs</u> PHYS 203 Physics I Laboratory <u>and</u> PHYS 204 Physics II Laboratory Or <i>Calculus Based:</i> PHYS 206L University Physics I with Lab <u>and</u> PHYS 207L University Physics II with Lab	8	PHYSICS 221 Mechanics & Heat <u>and</u> PHYSICS 222 Electricity, Sound & Light Or PHYSICS 235 Engineering Physics I: Mechanics & Wave Motion <u>and</u> PHYSICS 236 Engineering Physics II: Electricity & Magnetism
Chemistry Major Policies <ul style="list-style-type: none"> • Students must earn a grade of "C" or higher in all courses counted toward the major. No "P" grades will count toward a major. Chemistry courses with "D" grades may be used towards the 120 credit hours needed for graduation. • Transfer courses must be approved by the department before being applied to the major or minors. • Chemistry courses are designed to be taken in sequence. Students will not be permitted to register for courses if they do not have credit for the prerequisites. 		

Tuition, Financial Aid and Scholarships

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.

For information about financing your education at NEIU, 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:

Provost Merit Scholarship

Scholarships in the amount of **\$2,000** will be awarded to new transfers who meet the following criteria and who apply early for admission. Scholarships will be awarded on a first-come first-serve basis:

- Admitted entering transfer students with an Associate of Arts or Associate of Science (or at least 60 earned credits).
- Must have at least a cumulative transfer GPA of 3.50.
- Must be an Illinois resident.
- Must be enrolled full time at Northeastern.

Deans Merit Scholarship

Scholarships in the amount of **\$1,000** will be awarded to new transfers who meet the following criteria and who apply early for admission. Scholarships will be awarded on a first-come first-serve basis:

- Admitted entering transfer students with an Associate of Arts or Associate of Science (or at least 60 earned credit hours).
- Must have at least a cumulative transfer GPA of 3.00.
- Must be an Illinois resident.
- Must be enrolled full time at Northeastern.

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.