



City Colleges of Chicago Transfer Guide Bachelor of Science in Biology

Available at:
NEIU Main Campus (Chicago, IL)

Biology Program Description

The Bachelor of Science degree in Biology prepares students for advanced studies in biology, biomedical sciences, environmental biology, ecology and applied ecology; professional training in medicine, dentistry, optometry, chiropractic, pharmacy, veterinary medicine and other health professions; teaching of biology in secondary schools; or career opportunities in research, biomedical sciences, agriculture, industry, government, and academic institutions.

Contact Information

Northeastern Illinois University Transfer Center: Students who have questions about the program prior to admission may contact the Northeastern 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.

Northeastern Illinois University 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: an 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 both the Improving Human Relations requirement **and** Humanities or Social / Behavioral Sciences.
- 8.) **WIP (Writing Intensive Requirement):** 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 Biology fulfill this requirement by taking BIO 305 – WIP: General Ecology.
- 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 – one course (3 hours)	3	Students who major in Biology at Northeastern can fulfill this requirement by taking MATH 207 Calculus & Analytic Geometry I at City Colleges.
Social / Behavioral Sciences 3 courses (9 hours)	9	<ul style="list-style-type: none"> • No more than two courses from the same department may be used.
Natural Sciences 3 courses (9 hours)	9	<ul style="list-style-type: none"> • Students will fulfill the Natural Sciences requirement by completing the major in Biology.
Fine Arts 2 courses (6 hours)	6	<ul style="list-style-type: none"> • No more than one course from the same department may be used.
Humanities 3 courses (9 hours)	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.

Biology Major Requirements

Northeastern Illinois University Biology Major: 67-71 credit (43-46 in Biology and 24-25 in cognate areas)		
Northeastern Illinois University Course	Credits	City Colleges of Chicago equivalent (if any)
BIO 150 Essential Skills for Biologists <i>*BIO 150 must be taken concurrently with BIO 201 or, for transfer students, in their first semester at Northeastern.</i>	2	<i>No Equivalency at City Colleges of Chicago</i>
BIO 201 General Biology I	4	BIOLOGY 121 – Biology I
BIO 202 General Biology II	4	BIOLOGY 122 – Biology II
BIO 301 Cell Biology	4	<i>No Equivalency at City Colleges of Chicago</i>
BIO 303 General Genetics	4	BIOLOGY 241 – Genetics (with lab)
BIO 305 WIP: General Ecology (This course must be completed at Northeastern)	4	<i>No Equivalency at City Colleges of Chicago</i>
Five elective courses <i>At least three courses must have a lab component. Four of these must be Biology courses, one of which must focus on plants and one must focus on animals. The fifth course may be in Biology, or can be a course from another department, as long as it has been approved by the Biology Department. Please check with the Biology Department for a list of approved courses.</i>	18-20	Northeastern recommends that 2-3 of the following courses be taken at City Colleges: BIOLOGY 226 – Human Structure and Function I <i>(Equivalent to BIO 318 at NEIU)</i> BIOLOGY 227 – Human Structure and Function II <i>(Equivalent to BIO 319 at NEIU)</i> BIOLOGY 242 – Evolution (with lab) <i>(Equivalent to BIO 310 at NEIU)</i>

		BIOLOGY 251 – Molecular Biology I <i>(Equivalent to BIO 340 at NEIU)</i> MCROBIO 233 – General Microbiology <i>(Equivalent to BIO 341 at NEIU)</i>
One capstone course BIO 390 Biology Senior Seminar BIO 391 Internship in Biology BIO 392 & 393 Independent Research in Biology Or BIO 394 Seminar in Teaching of Biology	3-4	<i>No Equivalency at City Colleges of Chicago</i>
Cognate Courses		
CHEM 211 General Chemistry I	5	CHEM 201 – General Chemistry I
CHEM 212 General Chemistry II	4	CHEM 203 – General Chemistry II
CHEM 231 Organic Chemistry I	4	CHEM 205 – Organic Chemistry I
MATH 187 Calculus I Or MATH 275 Applied and Computational Statistics	3-4	MATH 207 – Calculus & Analytic Geometry I Or MATH 216 – Statistics for Business Majors
Two semesters of Physics Algebra based: PHYS 201 and PHYS 202 with labs PHYS 203 and PHYS 204 Or Calculus based: PHYS 206L and PHYS 207L	8	PHYSICS 221 – Mechanics, Waves, and Heat and PHYSICS 222 – Electricity, Light, and Modern Physics Or PHYSICS 235 – Engineering Physics I and PHYSICS 236 – Engineering Physics II
Requirements for Secondary Education Licensure		
In completing the major in Biology, students seeking licensure must earn 8 semester hours in botany including 5 semester hours in laboratory work, 8 semester hours in zoology including 5 semester hours in laboratory work, and 8 semester hours in physiology including 5 semester hours in laboratory work. Students who major in Biology and Secondary Education should consult with both an advisor in Biology and an advisor in the College of Education.		
Biology 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. Biology courses with “D” grades may be used as university electives. • Transfer courses must be approved by the department before being applied to the major or minor. • For transfer students, at least one half of the courses applied to the major (15 semester hours) must be taken at Northeastern. • Prior to registering for any Biology course at Northeastern that applies toward the major or minor, students must have a score of 5 on the Reading Placement Test or ACT Reading score of 20 or above; a score of 7 on the Writing Placement test or ESL 120; and a score of 30 on the Math Placement Test or ACT Math score of 21 or above. 		

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://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.