



## City Colleges of Chicago Transfer Guide Math and Science Concepts Minor (MSTQE)

Available at:

City Colleges of Chicago with registration at  
Wright College (Chicago, IL)  
Truman College (Chicago, IL)

### Math, Science and Technology for Quality Education (MSTQE) Program Description

The MSTQE (Math, Science and Technology for Quality Education) program is a “Bridge” program with City Colleges of Chicago in which faculty and students from the City Colleges and Northeastern Illinois University teach and study together. Students at all City Colleges of Chicago campuses are eligible for the program with registering at Wright College or Truman College. The goal of the Consortium is to reduce cost and speed time to graduation for City College students while creating a pipeline to increase the diversity of individuals who become effective teachers of math, science and technology at the elementary and middle school level and/or in special education, and bilingual education.

Students are encouraged to begin the MSTQE minor while working on the general education requirements and prior to applying to the College of Education. Students can complete most of the 100 and 200 level courses in the minor while still registered at City Colleges. Courses in the minor fulfill many of the general education and foundations course that meet the requirements of the College of Education as well applying toward an Associate’s Degree at the City Colleges of Chicago.

The suggested combined double major of Elementary Education (ELED) and Middle Level Education (MLED) consists of 56 hours in professional courses, which are divided into 5 blocks. The Math and Science Concepts minor is an essential part of the program and consists of 47 hrs of math and science courses designed specifically for the MSTQE program. Students who complete this program qualify for the Illinois Professional Educators’ License, the state endorsements in elementary school teaching (K-5), in middle school teaching (grades 6-8) as well as the state endorsements in middle school math, middle school science and language arts. As an MSTQE student, you also have the option to complete the Math and Science Concepts minor along with an Elementary Education major, Bilingual/Bicultural Education major, or Special Education major instead of the suggested ELED/MLED double major. Graduates have the credentials in the contents schools are hiring.

### Contact Information

**Northeastern Illinois University MSTQE Program:** Students who have questions about the program may contact Heather Patay or Brittany Pines by calling (773) 442-5571 or by email at [h-patay@neiu.edu](mailto:h-patay@neiu.edu) or [b-pines@neiu.edu](mailto:b-pines@neiu.edu).

**Wright College:** Students who have questions about the program prior to admission may contact Susan Calabrese by calling (773) 481-8227 or by email at [scalabrese@ccc.edu](mailto:scalabrese@ccc.edu).

**Truman College:** Students who have questions about the program prior to admission may contact Shelley Lemons by calling (773) 907-4724 or by email at [slemons@ccc.edu](mailto:slemons@ccc.edu).

### 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](http://www.neiu.edu/Transfer).

## Admission Requirements to Northeastern Illinois University

- 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:

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

## Admission Requirements for the Daniel L Goodwin College of Education

- Passing scores on the Test of Academic Proficiency (TAP) [www.icts.nesinc.com](http://www.icts.nesinc.com) OR a composite score of 22 or higher on the ACT test, if taken in the last 10 years prior to the date of filing (**NOTE:** completion of the Writing section of the ACT test is required).
- C or better in English 101.
- C or better in College Level Math.
- A minimum 2.50 GPA.
- A minimum 30 semester hours (this can be transfer coursework or courses taken at Northeastern).
- C or better in EDFN 305 and EDFN 306 (or EDFN 216).

### To apply to the Goodwin College of Education students must turn in the following:

Please visit the [College of Education](#) website for all application materials that are necessary.

- A completed application.
- A recommendation form from a university professor.
- Students who are first applying to Northeastern Illinois University’s College of Education, without completion of one full semester at the university, must submit a copy of transcripts with transfer GPA.
- Students who have completed a full semester at the university must print a copy of their Northeastern transcripts from their NEIUport account.
- A complete fingerprint background check is required as part of the admission process. Please refer back to link for the various vendors and locations for this service.

**NOTE:** Envelope containing background information must remain sealed and submitted with the rest of the application.

## Northeastern Illinois University Degree Requirements

- 1.) **General Education:** 36 credit hours (see specific Daniel L Goodwin College of Education requirements below).
- 2.) **English 101 or equivalent (grade of “C” or higher):** At CCC, 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 Arts in Elementary Education fulfill this requirement by taking ELED 302 – WIP: Methods of Teaching Language Arts – Elementary School.
- 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.

**Teacher Licensure/General Education Requirements for ELED Majors with an MSTQE Minor**

Teaching Licensure/General Education Requirements for the Daniel L Goodwin College of Education		
The Teaching Licensure/General Education courses for the Goodwin College of Education are divided specifically in subjects that are demonstrated to be beneficial for students pursuing degrees in education. These courses can be used to meet your General Education Requirements when applicable. <b><i>The particular set of courses in bold &amp; italics is for an MSTQE student that majors in MLED. Please see your advisor if you are planning on completing MSTQE and going on to a different major.</i></b>		
Course	Credits	Notes
<b>Fine Arts</b> 2 courses (6 hrs)	6	*See the Transfer Course Equivalency Guide for a listing of courses that meet this requirement at the City Colleges of Chicago. <b><i>Note: No more than one course from any department can be used to complete this requirement.</i></b>
<b>Humanities &amp; Literature</b> 3 hrs in Literature 6 hrs in Humanities	9	*See the Transfer Course Equivalency Guide for a listing of courses that meet this requirement at the City Colleges of Chicago. <ul style="list-style-type: none"> <li>• 6 hours in Humanities</li> <li>• 3 hours in Literature – The College of Education requires ENGL 205 be taken at Northeastern.</li> </ul> <b><i>Note: No more than two courses from any department can be used to complete this requirement.</i></b>
<b>Social and Behavioral Sciences</b> 5 courses (15 hrs)	15	*See the Transfer Course Equivalency Guide for a listing of courses that meet this requirement at the City Colleges of Chicago <ul style="list-style-type: none"> <li>• PSCI 216</li> <li>• ANTH 212 or HIST 111C/D/E (limited list per ELED)</li> <li>• HIST 214 or 215</li> <li>• SOC 104 at Northeastern Illinois University.</li> <li>• GES 104</li> </ul>

Natural Sciences	12	<ul style="list-style-type: none"> <li>Biology 199 -Biology 114 MST at CCC (required both by the ELED program and the MSTQE minor)</li> <li>Chemistry 108-Chemistry 121MST at CCC (for MSTQE minor and fulfills ELED Chemistry 110)</li> <li>Physics 108 –Physical Science 112MST (fulfills ELED Physics 110).</li> <li>ESCI 121 (see CCC transfer guide)</li> </ul> <p><b>There are additional science courses required in MSTQE Minor, see the MSTQE content section on page 4.</b></p>
Mathematics	9	<ul style="list-style-type: none"> <li>Math 149 or Math 121 at CCC</li> <li>Math 150 or Math 122 at CCC</li> <li>Math 151 (at Northeastern, no CCC equivalent)</li> </ul> <p><b>(These courses also fulfill the prerequisites to the Math and Science Concepts minor)</b></p>
Writing	6	<ul style="list-style-type: none"> <li>English 101 (grade of C or higher)</li> <li>English 102 (grade of C or higher)</li> </ul>
Speech	3	<ul style="list-style-type: none"> <li>SPEECH 101 at CCC with a grade C or higher.</li> </ul>

### Math and Science Concepts Minor (MSTQE)

Math and Science Concepts Program and Minor (MSTQE)		
All math and science course pairings must be taken concurrently.		
Course	Credits	Notes
<b>Prerequisites</b>		
<b>1) Math</b> <ul style="list-style-type: none"> <li><b>MATH 149</b> Math for Elementary Teachers I</li> <li><b>MATH 150</b> Math for Elementary Teachers II with Problem Solving</li> </ul> <b>2) ENGL 204 (can be taken during any block throughout the sequence)</b>	Hours accounted for in general education section	<ul style="list-style-type: none"> <li><b>MATH 121 at CCC</b></li> <li><b>MATH 122 at CCC</b></li> <li><b>Math 151 for all transfer students including CCC students.</b></li> </ul>
<b>Block I</b>		
<b>3) MATH 280</b> Geometry: Concepts Mid School Teaching <b>AND</b> <b>PHYS 108</b> Physics Concepts <b>4) MATH 281</b> Number Concepts Mid School Teaching <b>AND</b> <b>CHEM 108</b> Chemistry Concepts <b>5) An ESCI course is required, but it can be taken during any block throughout the sequence.</b> <b>6) PENT 342T</b> Cooperative Learning in Adventure Education (can be taken during any block throughout the sequence).	11 credit hours. Balance credit accounted for in general education section	<b>3) MATH 127 (MST Section)</b> at CCC is equivalent to MATH 280 at Northeastern <b>PHY SCI 112 (MST Section)</b> at CCC is equivalent to PHYS 108 at Northeastern <b>4) MATH 202 (MST Section)</b> at CCC is equivalent to MATH 281 at Northeastern <b>CHEM 121 (MST Section)</b> at CCC is equivalent to CHEM 108 at Northeastern <b>5) ENVR TC 105, ENVR TC 107, ENVR TC 192, GEOLOGY 201, OCEAN 101, and PHY SCI 111</b> at CCC are all equivalent to ESCI courses at Northeastern (Now need to use articulation guide for ESCI 121 because of ELED) <b>6) No CCC Equivalent. (Fulfills ELED HLED 107 requirement)</b>
<b>Block II</b>		
<b>8) MATH 147</b> Statistical Concepts Mid School Teaching <b>AND</b> <b>BIO 104</b> The Changing Natural Environment <b>AND</b> <b>BIO 105</b> Environmental Biology Lab	8	<b>8) MATH 125 (MST Section)</b> at CCC is equivalent to MATH 147 at Northeastern <b>BIOLOGY 119 (MST Section)</b> at CCC is equivalent to BIO 104 <b>AND</b> BIO 105 at Northeastern
<b>Block III</b>		
<b>9) MATH 145</b> Algebra Concepts Mid School Teaching <b>AND</b> <b>BIO 199</b> Biology Concepts	8	<b>9) MATH 126 (MST Section)</b> at CCC is equivalent to MATH 145 at Northeastern <b>BIOLOGY 114 (MST Section)</b> at CCC is equivalent to BIO 199 at Northeastern
<b>Block IV</b>		

<p><b>10) MATH 380</b> Calculus Concepts Mid School Teaching  <b>AND</b>  <b>BIO 299</b> Ecology Concepts  <b>11) MATH 381</b> Concepts Discrete Math Mid School Teaching</p>	10	<p><b>10) No CCC Equivalent</b>   <b>11) No CCC Equivalent</b></p>
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**Elementary Education/Middle School Education Major Requirements (ELED/MLED)**

<b>Elementary Education/Middle Level Education Professional Sequence ELED/MLED</b> <b>It is recommended that Teacher Certification/General Education courses, specific for the Daniel L Goodwin College of Education be taken prior to full admission into the program (Math 149, Math 150 and English 204).</b>		
Course	Credits	Notes
<b>Required for Admission to COE</b>		
<p><b>1) EDFN 216</b> Education and Individual Differences: Child and Adolescent Development  <b>OR</b>  <b>EDFN 306</b> Education and Individual Differences  <b>2) EDFN 305</b> Phil and Hist Foundations of Public Education</p>	6	<p><b>1) PSYCH 207 (MST Section)</b> at CCC is equivalent to EDFN 216 or 306 at Northeastern   <b>2) EDUC 101</b> at CCC is equivalent to EDFN 305 at Northeastern</p>
<b>Block I These courses can be taken at any time during the program.</b>		
<p><b>3) SOC 104</b> School &amp; Society (<b>can be taken during any block throughout the sequence</b>).  <b>4) TESL 301</b> English Language for Teachers (<b>can be taken during any block throughout the sequence</b>).  <b>5) PENT 342T</b> Coop Learning in Adventure Education (<b>can be taken during any block throughout the sequence</b>).  <b>6) EDFN 217</b> may be taken prior to admission <b>OR</b> <b>EDFN 307</b> Psychology of Learning (<b>if taking EDFN 307, this must be taken during Block III</b>)</p>	3 for TESL (Remaining hours listed here accounted for elsewhere in the guide)	<p><b>3) No CCC Equivalent</b>  <b>4) No CCC Equivalent</b>  <b>5) No CCC Equivalent</b>  <b>6) EDUC 203 (MST Section)</b> at CCC is equivalent to EDFN 217 at Northeastern</p>
<p><b>7) SPED 201</b> Special Needs Child Inclusive Classroom (must have completed EDFN 216 or EDFN 306)  <b>8) HLED 199</b> Health &amp; Wellness of the Emerging Adolescent (<b>fulfills COE requirement HLED 107 and can be taken during any block throughout the sequence</b>).</p>	6	<p><b>7) EDUC 103 (MST Section)</b> at CCC is equivalent to SPED 201 at Northeastern   <b>8) No CCC Equivalent</b></p>
<b>Block II</b>		
<p><b>9) MLED 301</b> Curriculum &amp; Instruction in Middle School (<i>Grade of B or better</i>)  <b>10) ELED 302</b> WIP: Method of Teaching Language Arts (<i>Grade of B or better</i>)  <b>11) EDFN 307</b> Psychology of Learning (<b>only needed if EDFN 217 was not completed with a "B"</b>)</p>	12	<p><b>9) No CCC Equivalent</b>  <b>10) No CCC Equivalent</b>  <b>11) No CCC Equivalent for EDFN 307 (see EDFN 217)</b></p>
<b>Block III</b>		
<p><b>12) ELED 304</b> Methods of Teaching Social Studies (<i>Grade of B or better</i>)  <b>13) ELED 312</b> Teaching Strategies ELL &amp; Multicultural Groups  <b>14) ENGL 390</b> Young Adult Lit (<b>recommended for BLOCK III but can be taken during any block throughout the sequence</b>).</p>	9	<p><b>12) No CCC Equivalent</b>  <b>13) No CCC Equivalent</b>  <b>14) No CCC Equivalent</b></p>
<b>Block IV</b>		

<b>15) TED 316A</b> Middle Level Literacy ( <i>Grade of B or better</i> ) <b>16) MLED 340</b> Teaching Math Elem/Mid School Problem Solving ( <i>Grade of B or better</i> ) <b>17) MLED 328M</b> Clinical Experience Elem/Mid School Math ( <i>Grade of B or better</i> ) <b>18) MLED 335</b> Teaching Science Elem/Mid School Problem Solving ( <i>Grade of B or better</i> ) <b>19) MLED 328S</b> Clinical Experience Elem/Mid School Science ( <i>Grade of B or better</i> )	11	<b>15) No CCC Equivalent</b> <b>16) No CCC Equivalent</b> <b>17) No CCC Equivalent</b> <b>18) No CCC Equivalent</b> <b>19) No CCC Equivalent</b>
<b>Block V</b>		
<b>20) ELED 329</b> Student Teaching & Seminar ( <b>MLED Section</b> , <i>Grade of B or better</i> ) <b>Recommended ELECTIVES</b> <b>21) EDFN 321 or EDFN 317</b>	9	<b>20) No CCC Equivalent</b> <b>21) No CCC Equivalent</b>
<b>MLED Program Graduation Criteria:</b> <ol style="list-style-type: none"> <li>1 Completion of all Northeastern, MLED and Goodwin College of Education General Education Requirements.</li> <li>2 Completion of all MLED Program professional education sequence courses and requirements.</li> <li>3 B or better on student teaching evaluation submitted by clinical supervisor and cooperating teacher.</li> <li>4 Maintain cumulative GPA of 2.50.</li> <li>5 Maintain an MSTQE Math and Science Concepts Minor minimum cumulative GPA of 2.75.</li> <li>6 Maintain professional sequence GPA of 2.75.</li> <li>7 Submit a completed and juried portfolio.</li> <li>8 Demonstrated proficiency on the Student Personalization Assessment</li> <li>9 Pass the ICTS Assessment of Professional Teaching</li> <li>10 In order for students to be entitled by Northeastern for the Illinois Type 03 certificate (elementary/middle grades), they must have received a "B" or better in student teaching and have passed the three state ICTS assessments: The Test of Academic Proficiency or ACT with Writing and cumulative score of 22 or higher, the Content Area Examinations as well as the Assessment of Professional Teaching.</li> </ol>		

## 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 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:

#### Provost Merit Scholarship

Scholarships in the amount of \$2,000 will be awarded to prospective 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 3.50.
- 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 prospective 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 3.0.
- 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](mailto:scholarships@neiu.edu).*