



# COLLEGE OF ENGINEERING – TRANSFER GUIDE

## NORTHERN ILLINOIS UNIVERSITY

Course work completed at a regionally *accredited college* will transfer when it is approximately equivalent to required course work at U of I. Transfer courses must have a grade of "C-" or above to be applied toward degree. Please have an official transcript sent to: The University of Iowa, Department of Admissions, 107 Calvin Hall, Iowa City, IA 52242 when you have completed the course.

### CORE ENGINEERING CURRICULA AND EQUIVALENTS

The University of Iowa Course	UI Sem Hrs	Northern Illinois College Equivalent	NIU Sem Hrs
RHET:1030 Rhetoric (4sh limit of rhetoric applies to degree)	4	ENGL 103 Rhetoric & Composition I <b>AND</b> ENGL 104 Rhetoric & Composition II <b>OR</b> ENGL 105 Rhetoric & Composition COMS 100 Fundamentals of Oral Communication <b>OR</b> COMS 200 Advanced Public Speaking	3 3 3 3 3
CHEM:1110 Principles of Chemistry I	4	CHEM 210 General Chemistry I <b>AND</b> CHEM 212 General Chemistry Lab I	3 1
MATH:2560 Eng. Math IV – Differential Equations	3	MATH 336 Ordinary Differential Equations	3
ENGR:1100 Engineering Problem Solving I	3	MEE 270 Engineering Graphics	3
ENGR:1300 Engineering Problem Solving II	3	CSCI 240 Computer Programming in C++	4

The following courses **may be required** depending upon the major selected: *Biomedical* and *chemical* majors require a year of college-level chemistry. *Industrial* engineering majors require an introductory psychology course.

CHEM:1120 Principles of Chemistry II	4	CHEM 211 General Chemistry II <b>AND</b> CHEM 213 General Chemistry Lab II	3 1
CHEM:2210 Organic Chemistry I	3	CHEM 330 General Organic Chemistry I <b>OR</b> CHEM 336 Organic Chemistry I	3 3
CHEM:2220 Organic Chemistry II	3	CHEM 331 General Organic Chemistry II <b>OR</b> CHEM 337 Organic Chemistry II	3 3
CHEM:2410 Organic Chemistry Lab	3	CHEM 332 General Organic Chemistry Lab <b>OR</b> CHEM 338 Organic Chemistry Lab	2 2

**\*\*short 1 sh for 004:141**

### GENERAL EDUCATION COMPONENT (GEC)

Students must earn at least 15 semester hours of approved course credit. The requirements are the following: Complete 3 s.h. of an Engineering Be Creative class, 3 s.h. from one of the approved CLAS GEC categories, and 9 s.h. of Approved Course Subjects. For a list of all approved courses go to <https://www.engineering.uiowa.edu/general-education-component-starting-summer-2015>.

### TRANSFER ADMISSIONS REQUIREMENTS

The College of Engineering is looking for an overall GPA that indicates likely success in engineering. To transfer into the College of Engineering, students must have demonstrated success in math, science and engineering courses (grades of A's and B's in these foundation subjects with no grade lower than a C). At a minimum, transfer students must have completed Calculus I and the equivalent of either Iowa's Principles of Chemistry I or Introductory Physics I (e.g. the first semester of Chemistry designed for majors or the first semester of Calculus-based Physics). Students may transfer into engineering upon the successful completion of the Calculus and Chemistry or Physics; it is not necessary to have 24 hours earned.

### ADDITIONAL INFORMATION

The University of Iowa College of Engineering  
2134 Seamans Center Iowa City, IA 52242  
Phone: (319) 335-5763 or (800) 553-4692  
Email: [engineering-admissions@uiowa.edu](mailto:engineering-admissions@uiowa.edu)

Northern Illinois University  
1425 West Lincoln Highway  
De Kalb, IL 60115-2828  
815-753-2000  
<http://www.niu.edu>