



# COLLEGE OF ENGINEERING – TRANSFER GUIDE

## CITY COLLEGES OF CHICAGO

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	CCC Equivalent	CCC Sem Hrs
RHET:1030 Rhetoric (4sh limit of rhetoric applies to degree)	4	ENGLI 101 Composition I ENGLI 102 Composition II SPEEC 101 Fundamentals of Speech Communication	3 3 3
CHEM:1110 Principles of Chemistry I	4	CHEM 201 General Chemistry I	5
PHYS:1611 Introductory Physics I	4	PHYSI 235 Engineering Physics I: Mechanics & Wave Motion	5
PHYS:1612 Introductory Physics II	4	PHYSI 236 Engineering Physics II: Electricity & Magnetism	5
MATH:1550 Eng. Math I – Single Variable Calculus***	4	MATH 207 Calculus and Analytic Geometry I <b>AND</b> MATH 208 Calculus and Analytic Geometry II	5 5
MATH:1560 Eng. Math II – Multiple Variable Calculus***	4	MATH 209 Calculus and Analytic Geometry III	3
MATH:2550 Eng. Math III – Matrix Algebra	2	MATH 212 Linear Algebra	3
MATH:2560 Eng. Math IV – Differential Equations	3	MATH 210 Differential Equations	3
ENGR:1100 Introduction to Engineering Problem Solving	3	ENGR 131 Engineering Graphics/Intro Design	3
ENGR:1300 Introduction to Engineering Computing	3	CIS 142 C-based Programming Language	3
ENGR:2110 Engineering Fundamentals I - Statics	2	PHYSI 215 Statics	3

\*\*\*Students must complete Calculus I, II, and III to receive credit for Engineering Math I & II.

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 203 General Chemistry II	5
CHEM:2210 Organic Chemistry I	3	CHEM 205 Organic Chemistry I	6
CHEM:2220 Organic Chemistry II	3	CHEM 207 Organic Chemistry II	6
CHEM:2410 Organic Chemistry Lab	3	(excess hrs from CHEM 205 & 207 hrs fulfill CHEM:2410 lab requirements)	
ENGR:2710 Dynamics	3	PHYSI 216 Dynamics	3

### GENERAL EDUCATION COMPONENT (GEC)

Students must earn at least 15 s.h. in chosen from approved departments and programs. For a list of approved GEC courses go to GEC website link: <http://www.engineering.uiowa.edu/current-students/academic-support/advising/general-education-component>

### 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)

City Colleges of Chicago  
226 West Jackson Blvd. Chicago, IL 60606  
Phone: (312) 553-2500 or (773) 265-5949  
Web site: <http://www.ccc.edu/>