



# COLLEGE OF ENGINEERING – TRANSFER GUIDE

## COLLEGE OF DUPAGE

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	College of DuPage Equivalent	CoD Sem Hrs
RHET:1030 Rhetoric (4sh limit of rhetoric applies to degree)	4	ENGLI 1101 Composition I ENGLI 1102 Composition II SPEEC 1100 Fundamentals of Speech	3 3 3
CHEM:1110 Principles of Chemistry I	4	CHEMI 1551 Principles of Chemistry I	5
PHYS:1611 Introductory Physics I	4	PHYSI 2111 Physics for Science & Engineering I	5
PHYS:1612 Introductory Physics II	4	PHYSI 2112 Physics for Science & Engineering II	5
MATH:1550 Eng. Math I – Single Variable Calculus***	4	MATH 2231 Calculus and Analytical Geometry I <b>AND</b> MATH 2232 Calculus and Analytical Geometry II	5 5
MATH:1560 Eng. Math II – Multiple Variable Calculus***	4	MATH 2233 Calculus and Analytical Geometry III	4
MATH:2550 Eng. Math III – Matrix Algebra	2	MATH 2245 Linear Algebra	4
MATH:2560 Eng. Math IV – Differential Equations	3	MATH 2270 Differential Equations	4
ENGR:1100 Engineering Problem Solving I	3	ENGIN 1101 Engineering Graphics and Design	3
ENGR:1300 Engineering Problem Solving II	3	CIS 2541 or C++ Language Programming CIS 2571 Intro to Java	4 4
ENGR:2110 Engineering Fundamentals I - Statics	2	ENGIN 2201 Statics	3
ENGR:2120 Engineering Fundamentals II – Circuits	3	ENGIN 2210 Electrical Circuit Analysis & Theory	4
ENGR:2130 Engineering Fundamentals III - Thermodynamics	3	ENGIN 2205 Engineering Thermodynamics	3

\*\*\*Students must have completed Calculus I, II, and III to receive credit for Engineering Math 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	CHEMI 1552 Principles of Chemistry II	5
CHEM:2210 Organic Chemistry I	3	CHEMI 2551 Organic Chemistry	5
CHEM:2220 Organic Chemistry II	3	CHEMI 2552 Organic Chemistry	5
CHEM:2410 Organic Chemistry Lab	3	(excess hrs from CHEMI 2551 & 2552 fulfill CHEM:2410 requirements)	
ENGR:2710 Dynamics	3	ENGIN 2202 Dynamics	3
ENGR:2750 Mechanics of Deformable Bodies	4	ENGIN 2203 Mechanics of Materials	3

### 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)

College of DuPage  
425 22<sup>nd</sup> St. Glen Ellyn, IL 60137-6599  
Phone: (630) 942-2800  
<http://www.cod.edu/>