COLLEGE OF ENGINEERING

Elgin Community College Transfer

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 Cirriculum and Equivalents

University of Iowa Course Details		Elgin Community College Equivalency	
Course Code	**Course Title**	**Course Code**	**Course Title**
RHET: 1030	Rhetoric (4 s.h. limit of rhetoric applies to degree)	ENG: 101	English Composition I **AND**
		ENG: 102	English Composition II **AND**
		CMS: 101	Fundamentals of Speech **OR**
		CMS: 102	Public Speaking
CHEM: 1110	Principles of Chemistry I	CHM: 142	General Chemistry I
PHYS: 1611	Introductory Physics I	PHY: 211	Engineering Physics I
PHYS: 1612	Introductory Physics II	PHY: 212	Engineering Physics II
MATH: 1550	Eng. Math I - Single Variable Calculus	MTH: 190	Calculus with Analytic Geometry I **AND**
		MTH: 210	Calculus with Analytic Geometry II
MATH: 1560	Eng. Math II - Multiple Variable Calculus*****	MTH: 230	Calculus with Analytic Geometry III
MATH: 2550	Eng. Math III - Matrix Algebra	MTH: 240	Introduction to Linear Algebra
MATH: 2560	Eng. Math IV - Differential Equations	MTH: 250	Differential Equations
ENGR: 1300	Introduction to Engineering Computing	MTH: 123	Computer Science for Engineers
ENGR: 2110	Engineering Fundamentals I - Statics	EGR: 152	Statics

***Students must have completed Calculus I, II, and III to recieve 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 phychology course.

Course Code	Course Title	Course Code	Course Title
CHEM: 1120	Principles of Chemistry II	CHM: 143	General Chemistry II
CHEM: 2210	Organic Chemistry I	CHM: 234	Organic Chemistry I
CHEM: 2220	Organic Chemistry II	CHM: 235	Organic Chemistry II
CHEM: 2410	Organic Chemistry Lab	Excess CHM: 234 & CHM: 235 hrs fulfill CHEM: 2410 lab requirements	
ENGR: 2710	Dynamics	EGR: 252	Dynamics

General Eduation 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://engineering.uiowa.edu/gec

Transfer Admissions Requirements

The College of Engineering is looking for an overall GPA that indicates likely sucess in engineering. To transfer into the College of Engineering, students must have demonstrated sucess in math, science and engineering courses (grades of A's and B's in the 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.