COLLEGE OF ENGINEERING

Oakton 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		**Oakton Community College Equivalency**	
Course Code	**Course Title**	**Course Code**	**Course Title**
RHET: 1030	Rhetoric (4 s.h. limit of rhetoric applies to degree)	EGL: 101	Composition I
		EGL: 102	Composition II
		SPE: 103	Effective Speech
CHEM: 1110	Principles of Chemistry I	CHM: 121	General College Chemistry I
PHYS: 1611	Introductory Physics I	PHY: 221	General Physics I
PHYS: 1612	Introductory Physics II	PHY: 222	General Physics II
MATH: 1550	Eng. Math I - Single Variable Calculus*	MAT: 250	Calculus I **AND**
		MAT: 251	Calculus II
MATH: 1560	Eng. Math II - Multiple Variable Calculus*	MAT: 252	Calculus III
MATH: 2250	Eng. Math III - Matrix Algebra	MAT: 260	Introduction to Linear Algebra
MATH: 2560	Eng. Math IV - Differential Equations	MAT: 262	Ordinary Differential Equations
ENGR: 1100	Introduction to Engineering Problem Solving	ENG: 120	Engineering Graphics
ENGR: 1300	Introduction to Engineering Computing	CIS: 211	Java Programming
ENGR: 2110	Engineering Fundamentals I - Statics	ENG: 211	Analytical Mechanics (Statics)

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

Course Code	Course Title	Course Code	Course Title
CHEM: 1120	Principles of Chemistry II	CHM: 122	General College Chemistry II
CHEM: 2210	Organic Chemistry I	CHM: 221	Organic Chemistry I **OR***
		CHM: 223	Organic Chemistry I (with lab)*
CHEM: 2220	Organic Chemistry II	CHM: 222	Organic Chemistry II **OR***
CHEM: 2410	Organic Chemistry Lab	CHM: 224	Organic Chemistry II (with lab)*
ENGR: 2710	Dynamics	ENG: 212	Analytical Mechanics (Dynamics)

***A minimum of 9 s.h. are needed to fulfill all organic chemistry requirements**

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.