COLLEGE OF ENGINEERING

Harper 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		**Harper College Equivalency**	
Course Code	**Course Title**	**Course Code**	**Course Title**
RHET: 1030	Rhetoric (4 s.h. limit of rhetoric applies to degree)	ENG: 101	Composition
		ENG: 102	Composition
		SPE: 101	Fundamentals of Speech Communication
CHEM: 1110	Principles of Chemistry I	CHM: 121	General Chemistry I
PHYS: 1611	Introductory Physics I	PHY: 201	General Physics I - Mechanics
PHYS: 1612	Introductory Physics II	PHY: 202	General Physics II - Electricity & Magnetism
MATH: 1550	Eng. Math I - Single Variable Calculus*	MTH: 200	Calculus I **AND**
		MTH: 201	Calculus II
MATH: 1560	Eng. Math II - Multiple Variable Calculus*	MTH: 202	Calculus III
MATH: 2250	Eng. Math III - Matrix Algebra	MTH: 203	Linerar Algebra
MATH: 2560	Eng. Math IV - Differential Equations	MTH: 212	Differential Equations
ENGR: 1100	Introduction to Engineering Problem Solving	EGR: 120	Engineering Graphics I (CAD)
ENGR: 1300	Introduction to Engineering Computing	CSC: 121	Computer Science I
ENGR: 2110	Engineering Fundamentals I - Statics	EGR: 210	Analytical Mechanics - Statics
ENGR: 2120	Engineering Fundamentals II - Circuits	EGR: 260	Intro to Circuit Analysis
ENGR: 2130	Engineering Fundamentals III - Thermodynamics	EGR: 240	Thermodynamics

***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: 122	General Chemistry II
CHEM: 2210	Organic Chemistry I	CHM: 204	Organic Chemistry I
CHEM: 2220	Organic Chemistry II	CHM: 205	Organic Chemistry II
CHEM: 2410	Organic Chemistry Lab	Excess CHM: 204 & CHM: 205 hrs fulfill requirements	
ENGR: 2710	Dynamics	EGR: 211	Analytical Mechanics - Dynamics
ENGR: 2720	Mechanics of Deformable Bodies	EGR: 212	Mechanics of Solids

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.