COLLEGE OF ENGINEERING

Heartland 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		Heartland Community College Equivalency	
Course Code	**Course Title**	**Course Code**	**Course Title**
RHET: 1030	Rhetoric (4 s.h. limit of rhetoric applies to degree)	ENGL: 101	Critical Reading & Writing
		ENGL: 102	Multimodal Composition
		COMM: 101	Introduction to Oral Communication
CHEM: 1110	Principles of Chemistry I	CHEML 161	General Chemistry I
MATH: 2560	Eng. Math IV - Differential Equations	MATH: 272	Differential Equations
ENGR: 1100	Introduction to Engineering Problem Solving	ENGR: 110	Engineering Graphics

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	CHEM: 162	General Chemistry II
CHEM: 2210	Organic Chemistry I	CHEM: 241	Organic Chemistry I
CHEM: 2220	Organic Chemistry II	CHEM: 242	Organic Chemistry II
CHEM: 2410	Organic Chemistry Lab	Excess hrs from CHEM: 241 & CHEM 242 fulfull CHEM: 2410 lab requirements	
ENGR: 2710	Dynamics	ENGR: 272	Engineering Mechanics: Dynamics
ENGR: 2720	Engineering Fundamentals I - Statics	ENGR: 271	Engineering Mechanics: Statics

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.