



COLLEGE OF ENGINEERING – TRANSFER GUIDE

HEARTLAND COMMUNITY COLLEGE

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	Heartland Community College Equivalent	HCC Sem Hrs
RHET:1030 Rhetoric (4sh limit of rhetoric applies to degree)	4	ENGL 101 English Composition I	3
		ENGL 102 English Composition II	3
		COMM 101 Introduction to Oral Communication	3
CHEM:1110 Principles of Chemistry I	4	CHEM 161 General Chemistry I	5
MATH:2560 Eng. Math IV – Differential Equations	3	MATH 272 Differential Equations	4
ENGR:1100 Engineering Problem Solving I	3	ENGR 110 Engineering Graphics	3

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	CHEM 162 General Chemistry II	5
CHEM:2210 Organic Chemistry I	3	CHEM 241 Organic Chemistry I	5
CHEM:2220 Organic Chemistry II	3	CHEM 242 Organic Chemistry II	5
CHEM:2410 Organic Chemistry Lab	3	(excess hrs from CHEM 241 & 242 fulfill CHEM:2410 requirements)	
ENGR:2710 Dynamics	3	ENGR 272 Engineering Mechanics: Dynamics	3
ENGR:2720 Engineering Fundamentals I - Statics	4	ENGR 271 Engineering Mechanics: Statics	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

Heartland Community College
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Normal, IL 61761
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www.heartland.edu