



COLLEGE OF ENGINEERING – TRANSFER GUIDE

IOWA CENTRAL 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 ANDEQUIVALENTS

The University of Iowa Course	UI Sem Hrs	Iowa Central CC Equivalent	ICCC Sem Hrs
RHET:1030 Rhetoric (4sh limit of rhetoric applies toward degree)	4	ENG-105 Composition I ENG-106 Composition II SPC-101 Fundamentals of Oral Communication	3 3 3
CHEM:1110 Principles of Chemistry I	4	CHM-165 General Chemistry I	4
PHYS:1611 Intro Physics I	4	PHY-162 College Physics I	4
PHYS:1612 Intro Physics II	4	PHY-172 College Physics II	4
MATH:1550 Engineering Math I – Single Variable Calculus***	4	MAT-210 Calculus I AND MAT-216 Calculus II	4 4
MATH:1560 Engineering Math II – Multiple Variable Calculus***	4	MAT-219 Calculus III	4
***Students must complete Calculus I, II, and III to receive credit for Engineering Math I & II.			
MATH:2560 Differential Equations	3	MAT-226 Differential Equations with Laplace	3
ENGR:1100 Introduction to Engineering Problem Solving	3	EGT-400 Intro to Engineering & Design	3
ENGR:1300 Introduction to Engineering Computing	3	CIS-153 Data Structures OR CIS-162 C++ OR CIS-172 Java	4 4 4

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	CHM-175 General Chemistry II	4
CHEM:2210 Organic Chemistry I	3	CHM-261 Organic Chemistry I	4
CHEM:2220 Organic Chemistry II	3	CHM-271 Organic Chemistry II	4
CHEM:2410 Organic Chemistry Lab	3	(Lab satisfied w/CHM-261 & CHM-271-short 1s.h.)	

GENERAL EDUCATION COMPONENT (GEC)

Students must earn at least 15 s.h. in chosen from approved departments and programs. For a list of approved GEC courses go to GEC website link: <http://www.engineering.uiowa.edu/current-students/academic-support/advising/general-education-component>

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, 3124 SC
Iowa City, IA 52242
319/335-5763 (or) 800/553-4692
Email: engineering-admissions@uiowa.edu

Iowa Central Community College
330 Avenue M
Fort Dodge, IA 50501
515/576-7201 (or) 800/362-2793