



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 AND EQUIVALENTS

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	ENG105 Composition I ENG106 Composition II SPC101 Fund. Oral Communication	3 3 3
CHEM:1110 Principles of Chemistry I	4	CHM165 General Chemistry I	4
PHYS:1611 Introductory Physics I	4	PHY162 College Physics I	4
PHYS:1612 Introductory Physics II	4	PHY172 College Physics II	4
MATH:1550 Eng. Math I – Single Variable Calculus ***	4	MAT210 Calculus I AND MAT216 Calculus II	4 4
MATH:1560 Eng. Math II – Multiple Variable Calculus ***	4	MAT219 Calculus III	4
MATH:2560 Eng. Math IV - Differential Equations	3	MAT226 Differential Equations	3
ENGR:1100 Engineering Problem Solving I	3	EGT193 Intro to Engineering & Design	3
ENGR1300 Engineering Problem Solving II	3	CIS153 Data Structures OR CIS162 C++ OR CIS172 Java	3 3 3
ENGR:2110 Fund Engineering I - Statics	2	MAT240 Statics of Engineering	3

***Students must have completed Calculus I, II, and III to receive 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 psychology course.

CHEM:1120 Principles of Chemistry II	4	CHM175 General Chemistry II	4
CHEM:2210 Organic Chemistry I	3	CHM261 Organic Chemistry I	4
CHEM:2220 Organic Chemistry II	3	CHM271 Organic Chemistry II	4
CHEM:2410 Organic Chemistry Lab	3	(Lab satisfied w/CHM261 & CHM271-short 1sh)	

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

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