



# COLLEGE OF ENGINEERING – TRANSFER GUIDE

## CENTRAL 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	Central College Equivalent	Central Sem Hrs
CHEM:1110 Principles of Chemistry I	4	CHEM 131 General Chemistry with Lab	4
PHYS:1611 Introductory Physics I	4	PHYS 111 General Physics I with Lab	5
PHYS:1612 Introductory Physics II	4	PHYS 112 General Physics II with Lab	5
MATH:1550 Eng. Math I – Single Variable Calculus***	4	MATH 131 Calculus I <b>AND</b>	4
		MATH 132 Calculus II	4
MATH:2550 Eng. Math III – Matrix Algebra	2	MATH 240 Linear Algebra	4
MATH:2560 Eng. Math IV – Differential Equations	3	MATH 250 Differential Equations	3
ENGR:2110 Engineering Fundamentals I - Statics	2	PHYS 326 Analytical Mechanics	4
ENGR:2130 Engineering Fundamentals III - Thermodynamics	3	PHYS 324 Statistical Thermodynamics	3

\*\*\*Students must complete Calculus I, II to receive credit for Engineering Math I

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:2210 Organic Chemistry I	3	CHEM 235 Organic Chemistry I with Lab	4
CHEM:2220 Organic Chemistry II	3	CHEM 236 Organic Chemistry II with Lab	4
CHEM:2410 Organic Chemistry Lab	3	CHEM 235 & 236 fulfill all but 1sh for CHEM:2410	

### 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  
2134 Seamans Center  
Iowa City, IA 52242  
Phone: (319) 335-5763 or (800) 553-4692  
Email: [engineering-admissions@uiowa.edu](mailto:engineering-admissions@uiowa.edu)

Central College  
812 University  
Pella, IA 50219  
Toll-Free: 1-877-462-3687  
Email: [admissions@central.edu](mailto:admissions@central.edu)