



COLLEGE OF ENGINEERING – TRANSFER GUIDE

OAKTON 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	Oakton Equivalent	Oakton Sem Hrs
RHET:1030 Rhetoric (4sh limit of rhetoric applies to degree)	4	EGL 101 Composition I EGL 102 Composition II SPE 103 Effective Speech	3 3 3
CHEM:1110 Principles of Chemistry I	4	CHM 121 General College Chemistry I	4
PHYS:1611 Introductory Physics I	4	PHY 221 General Physics I	5
PHYS:1612 Introductory Physics II	4	PHY 222 General Physics II	5
MATH:1550 Eng. Math I – Single Variable Calculus***	4	MAT 250 Calculus I AND MAT 251 Calculus II	5 4
MATH:1560 Eng. Math II – Multiple Variable Calculus***	4	MAT 252 Calculus III	4
MATH:2550 Eng. Math III – Matrix Algebra	2	MAT 260 Intro to Linear Algebra	3
MATH:2560 Eng. Math IV – Differential Equations	3	MAT 262 Ordinary Differential Equations	3
ENGR:1100 Introduction to Engineering Problem Solving	3	ENG 120 Engineering Graphics	3
ENGR:1300 Introduction to Engineering Computing	3	CIS 211 Java Programming	4
ENGR:2110 Engineering Fundamentals I - Statics	2	ENG 211 Analytical Mechanics (Statics)	3

***Students must complete Calculus I, II, and III to receive credit for Engineering Math I & 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	CHM 122 General College Chemistry II	4
CHEM:2210 Organic Chemistry I	3	CHM 221 Organic Chemistry I OR * CHM 223 Organic Chemistry I (with lab) *	4 5
CHEM:2220 Organic Chemistry II AND	3	CHM 222 Organic Chemistry II OR *	4
CHEM:2410 Organic Chemistry Lab	3	CHM 224 Organic Chemistry II (with lab) *	5
ENGR:2710 Dynamics	3	ENG 212 Analytical Mechanics (Dynamics)	3

* A minimum of 9 s.h. are needed to fulfill all organic chemistry requirements.

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

Oakton Community College
1600 East Gold Road Des Plaines, IL 60016
Phone: 847-635-1600
<http://www.oakton.edu/>