



COLLEGE OF ENGINEERING – TRANSFER GUIDE

IOWA LAKES COMMUNITY COLLEGE –*Electrical Engineering*

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 Lakes CC Equivalent		ILCC Sem Hrs
RHET:1030	Rhetoric (4sh limit of rhetoric applies to degree)	4	ENG 105	Composition I	3
			ENG 106	Composition II	3
			SPC 101	Fundamentals of Oral Communication OR	3
			SPC 112	Public Speaking	3
CHEM:1110	Principles of Chemistry I	4	CHM 166	General Chemistry I	5
PHYS:1611	Introductory Physics I	4	PHY 212	Classical Physics I	5
PHYS:1612	Introductory Physics II	4	PHY 222	Classical Physics II	5
MATH:1550	Eng. Math I – Single Variable Calculus***	4	MAT 211	Calculus I AND	5
			MAT 217	Calculus II	5
MATH:1560	Eng. Math II – Multiple Variable Calculus***	4	MAT 218	Calculus III	3
MATH:2560	Eng. Math IV – Differential Equations	3	MAT 227	Differential Equations with Laplace Transforms	4
ENGR:1300	Introduction to Engineering Computing	3	CIS 161	C++ OR	3
			CIS 162	C++ OR	4
			CIS 171	Java	3
ENGR:2110	Engineering Fundamentals I - Statics	2	EGT 139	Statics Engineering	3

***Students must complete Calculus I, II, and III to receive credit for Engineering Math I & II.

ELECTIVE FOCUS AREA

Five of the following courses may apply towards an Elective Focus Area in Electrical Engineering

EFA Elective	3	WTT 104	Introduction to Wind Energy	3
EFA Elective	3	WTT 133	Wind Turbine Mechanical Systems	3
EFA Elective	3	WTT 216	Power Generation & Transmission	3
EFA Elective	3	WTT 225	Data Acquisition & Assessment	4
EFA Elective	3	WTT 204	Wind Turbine Siting	4
EFA Elective	3	MGMT 101	Principles of Management	3

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

Iowa Lakes Community College
Don Schouten, Pre-Engineering Advisor
300 S 18th St. Estherville, IA 51334
Phone: (712) 362-2604 or (800) 242-5106
Fax: (712) 362-7649
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