



COLLEGE OF ENGINEERING – TRANSFER GUIDE

IOWA LAKES COMMUNITY COLLEGE –Mechanical 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	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	3
ENGR:1300 Engineering Problem Solving II	3	CIS 161	C++ OR	3
		CIS 162	C++ OR	4
		CIS 171	Java	3
		EGT 139	Statics Engineering	3
ENGR:2110 Engineering Fundamentals I - Statics	2	EGT 139	Statics Engineering	3

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

MECHANICAL FOCUS AREA

The following courses may apply towards an Elective Focus Area in Mechanical Engineering

EFA Elective	3	WTT 103	Introduction to Wind Energy	3
EFA Elective	3	WTT 216	Power Generation and Distribution	3

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
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
www.ilcc.cc.ia.us