COLLEGE OF ENGINEERING – TRANSFER GUIDE

EASTERN IOWA COMMUNITY COLLEGE - CLINTON

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	**EICC-Clinton College Equivalent**		CCC Sem Hrs
RHET:1030	Rhetoric (4sh limit of rhetoric applies to degree)	4	ENG:105	Composition I	3
			ENG:106	Composition II	3
			SPC:112	Public Speaking	3
CHEM:1110	Principles of Chemistry I	4	CHM:165	General Chemistry I **OR**	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:210	Calculus I **AND**	4
			MAT:216	Calculus II	4
MATH:1560	Eng. Math II – Multiple Variable Calculus***	4	MAT:219	Calculus III	4
MATH:2560	Eng. Math IV – Differential Equations	3	MAT:227	Differential Equations with Laplace	4
ENGR:1100	Introduction to Engineering Problem Solving	3	EGR:160	Engineering I	3
ENGR:1300	Introduction to Engineering Computing	3	CIS:121	Intro to Programing Logic **OR**	3
			CIS:161	C++ **OR**	3
			CIS:171	Java	3
ENGR:2110	Engineering Fundamentals I - Statics	2	EGR:180	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:175	General Chemistry II **OR**	4
			CHM:175	General Chemistry II	5
CHEM:2210	Organic Chemistry I	3	CHM:261	Organic Chemistry I **OR**	4
			CHM:263	Organic Chemistry I	5
CHEM:2220	Organic Chemistry II	3	CHM:271	Organic Chemistry II **OR**	4
			CHM:273	Organic Chemistry II	5
CHEM:2410	Organic Chemistry Lab	3	(excess hrs from above CHM classes can fulfill hrs for CHEM:2410)		
ENGR:2710	Dynamics	3	EGR:280	Dynamics	3
HHP:1100	Human Anatomy	3	BIO:168	Human Anatomy and Physiology I **AND**	4
			BIO:173	Human Anatomy and Physiology II	4
BIOL:1411	Foundations of Biology	4	BIO:114	General Biology IA	4
BIOL:1412	Diversity of Form and Function	4	BIO:115	General Biology IIA	4
PSY:1001	Elementary Psychology	3	PSY:111	Elementary Psychology	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

EICC – Clinton Community College
1000 Lincoln Blvd.
Clinton, IA 52732
Phone: (563) 244-7001 or (800) 637-0559