



COLLEGE OF ENGINEERING – TRANSFER GUIDE

DES MOINES AREA COMMUNITY COLLEGE (DMACC)

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	DMACC Equivalent		DMACC 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
CHEM:1110	Principles of Chemistry I	4	CHM 165	General/Inorganic Chemistry I	4
PHYS:1611	Introductory Physics I	4	PHY 213	Classical Physics I	6
PHYS:1612	Introductory Physics II	4	PHY 223	Classical Physics II	6
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 219	Calculus III	4
MATH:2550	Eng. Math III – Matrix Algebra	2	MAT 148	Linear Algebra w/Applications	4
MATH:2560	Eng. Math IV – Differential Equations	3	MAT 227	Differential Equations/Laplace	4
ENGR:1100	Introduction to Engineering Problem Solving	3	EGR 166	Engineering Graphics/Concept Design	4
			CIS 161	C++ OR	3
			CIS 169	C# OR	3
			CIS 171	Java OR	3
			CIS 125	Introduction to Programming Logic AND	3
ENGR:1300	Introduction to Engineering Computing	3	EGR 155	Engineering C/C++	2
			EGR 180	Statics	3
			EGR 180	Statics	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/Inorganic Chemistry II	4
CHEM:2210	Organic Chemistry I	3	CHM 263	Organic Chemistry I	5
BIOL 1411	Foundations of Biology	4	BIO 112	General Biology I AND	4
			BIO 113	General Biology II	4
			BIO 168	Anatomy & Physiology I AND	4
HHP:3500	Human Physiology	3	BIO 173	Anatomy & Physiology II OR	4
			BIO 734	Health Science Physiology	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

Advising Office
Des Moines Area Community College
2006 S. Ankeny Blvd.
Phone: (515) 964-6200 or (877) 863-6222
Fax: (515) 964-6391
<http://www.dmacc.edu/>