



COLLEGE OF ENGINEERING – TRANSFER GUIDE

INDIAN HILLS 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	DMACC Equivalent	IHCC Sem Hrs
RHET:1030 Rhetoric (4sh limit of rhetoric applies to degree)	4	ENG 105 Composition I AND	3
		ENG 106 Composition II AND	3
		SPC 101 Fundamentals of Oral Communication OR	3
		SPC 112 Public Speaking	3
CHEM:1110 Principles of Chemistry I	4	CHM 157 Principles of Chemistry I AND	3
		CHM 158 Principles of Chemistry II OR	3
		CHM 166 General Chemistry I	5
PHYS:1611 Introductory Physics I	4	PHY 200 Classical Physics I AND	3
		PHY 201 Classical Physics II	3
PHYS:1612 Introductory Physics II	4	PHY 201 Classical Physics II AND	3
		PHY 202 Classical Physics III	3
MATH:1550 Eng. Math I – Single Variable Calculus***	4	MAT 210 Calculus I AND	4
MATH:1560 Eng. Math II – Multiple Variable Calculus***	4	MAT 216 Calculus II	4
MATH:2550 Eng. Math III – Matrix Algebra	2	MAT 219 Calculus III	4
MATH:2560 Eng. Math IV – Differential Equations	3	MAT 162 Engineering Math – Matrix Algebra	4
ENGR:1100 Introduction to Engineering Problem Solving	3	MAT 226 Differential Equations with Laplace	3
		EGR 160 Engineering I	3
		EGR 165 Engineering II OR	3
ENGR:1300 Introduction to Engineering Computing	3	CIS 171 Java OR	3
		CIS 169 C#	3
		EGR 180 Statics	3
ENGR:2110 Engr. Fundamentals I - Statics	2	EGR 284 Intro to Electrical Circuits	3
ENGR:2120 Engr. Fundamentals II – Electrical Circuits	3	EGR 290 Thermodynamics	3
ENGR:2130 Engr. Fundamentals I - Thermodynamics	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 158 Principles of Chemistry II AND	3
		CHM 159 Principles of Chemistry III OR	4
		CHM 176 General Chemistry II	5
CHEM:2210 Organic Chemistry I	3	CHM 252 Organic Chemistry II	3
		CHM 253 Organic Chemistry III	3
BIOL 1411 Foundations of Biology	4	BIO 120 General Biology ID AND	4
		BIO 121 General Biology IID	3
HHP:3500 Human Physiology	3	BIO 178 Human 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

Indian Hills Community College
525 Grandview
Ottumwa, IA 52501
Phone 515-683-5111 or 800-726-2585
www.indianhills.edu