



COLLEGE OF ENGINEERING – TRANSFER GUIDE

WESTERN ILLINOIS UNIVERSITY

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	Western Illinois Equivalent		WIU Sem Hrs
RHET:1030	Rhetoric (4sh limit of rhetoric applies to degree)	4	ENG 180	College Writing I	3
			ENG 280	College Writing II	3
			COMM 241	Intro to Public Speaking	3
CHEM:1110	Principles of Chemistry I	4	CHEM 201	General Chemistry I	4
PHYS:1611	Introductory Physics I	4	PHYS 211	University Physics I	4
PHYS 1612	Introductory Physics II	4	PHYS 212	University Physics II AND	4
			PHYS 213	University Physics III	4
MATH:1550	Eng. Math I – Single Variable Calculus***	4	MATH 133	Calculus with Analytic Geometry I AND	4
			MATH 134	Calculus with Analytic Geometry II	4
MATH 1560	Eng. Math II – Multivariable Calculus***	4	MATH 231	Calculus with Analytic Geometry III	4
MATH:2550	Eng. Math III – Matrix Algebra	2	MATH 311	Linear Algebra	3
MATH:2560	Eng. Math IV – Differential Equations	3	MATH 333	Ordinary Differential Equations	3
ENGR:1100	Introduction to Engineering Problem Solving	3	ENGR 105	Engineering Graphics	3
ENGR:1300	Introduction to Engineering Computing	3	CS 225	Programming for Engineering and Science	3
ENGR:2110	Fund Eng I - Statics	2	ENGR 211	Engineering Statics	3
ENGR:2120	Fund Eng II – Electrical Circuits	3	ENGR 271	Engineering Electrical Circuits	3
ENGR:2130	Fund Eng III - Thermodynamics	3	ENGR 300	Engineering 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	CHEM 202	General Chemistry II	4
CHEM:2210	Organic Chemistry I	3	CHEM 331	Organic Chemistry I	5
CHEM:2220	Organic Chemistry II	3	CHEM 332	Organic Chemistry II	4
CHEM:2410	Organic Chemistry Lab	3	CHEM 333	Advanced Organic Laboratory	1
ENGR:2710	Dynamics	3	ENGR 212	Engineering Dynamics	3
ENGR 2720	Materials Science	3	ENGR 351	Engineering Material Science	3
CEE:2150	Natural Environmental Systems	3	EOS 310	Environmental Sciences	3
CEE:4305	Engineering Geology	3	GEO 110	Introduction to the Earth	3
STAT:2020	Probability and Statistics	3	STAT 276	Introduction to Probability and Statistics	3
PHYS:2704	Physics IV	3	PHYS 214	Physics IV	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 Semans Center Iowa City, IA 52242
Phone: (319) 335-5763 or (800) 553-4692
Email: engineering-admissions@uiowa.edu

Western Illinois University
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