



COLLEGE OF ENGINEERING – TRANSFER GUIDE

WESTERN ILLINOIS UNIVERSITY 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	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 Inorganic Chemistry I	4
PHYS:1611	Introductory Physics I	4	PHYS 211 University Physics I	4
PHYS 1612	Introductory Physics II		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 Analytical Geometry I AND	4
			MATH 134 Calculus with Analytical Geometry II	4
MATH 1560	Eng. Math II – Multivariable Calculus***	4	MATH 231 Calculus with Analytical 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	Engineering Problem Solving I	3	ENGR 105 Engineering Graphic/CAD	3
ENGR:1300	Engineering Problem Solving II	3	CS 225 Programming for Engineering and Sciences	3
ENGR:2110	Fund Eng I - Statics	2	PHYS 312 Engineering Mechanics	4
ENGR:2120	Fund Eng II – Electrical Circuits	3	ENGR 271 Engineering Electrical Circuits	3
ENGR:2130	Fund Eng III - Thermodynamics	3	PHYS 354 Thermodynamics	3

***Students transferring to the University of Iowa must have completed Calculus I, II, and III to receive credit for Engineering Math II.

***U of I Engineering students wishing to complete the Eng Math II requirement MUST meet with Megan Allen at the U of I.

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 Inorganic 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	5
CHEM:2410	Organic Chemistry Lab	3	CHEM 333 Advanced Organic Chemistry Lab	1
ENGR:2710	Dynamics	3	PHYS 311 Classical Mechanics	3
ENGR 2720	Materials Science	3	ENGR 351 Engineering Materials Science	3
CEE:2150	Natural Environmental Systems	3	EOS 310 Environmental Sciences	3
CEE:4305	Engineering Geology	3	GEOL 110 Introduction to the Earth	3
STAT:2020	Probability and Statistics	3	STAT 276 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 humanities and social sciences courses chosen from approved departments and programs; at least 3 s.h. must be earned in courses that the College of Engineering has designated as humanities courses, and at least 3 s.h. must be earned in courses that the College of Engineering has designated as social sciences courses. Students must earn at least 6 s.h. of general education credit in courses taken in the same department. Individual B.S.E. programs may require further depth in an area and may include general education requirements in a student's elective focus area. For a list of approved GEC courses go to www.engineering.uiowa.edu/ess/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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