



COLLEGE OF ENGINEERING – TRANSFER GUIDE

LUTHER 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	Luther College Equivalent	Luther Sem Hrs
RHET:1030 Rhetoric (4sh limit of rhetoric applies to degree)	4	ENG 110 Intro College Writing ENG 210 Effective Writing COMS 132 Public Address	2/4 4 4
CHEM:1110 Principles of Chemistry I	4	CHEM 151 Chemical Principles I	4
PHYS:1611 Introductory Physics I	4	PHYS 181 Classical Physics I	4
PHYS:1612 Introductory Physics II	4	PHYS 182 Classical Physics II	4
MATH:1550 Eng. Math I – Single Variable Calculus***	4	MATH 151 Calculus I AND MATH 152 Calculus II	4 4
MATH:1560 Eng. Math II – Multiple Variable Calculus***	4	MATH 253 Vector Calculus	4
MATH:2550 Eng. Math III – Matrix Algebra	2	MATH 240 Linear Algebra	4
MATH:2560 Eng. Math IV – Differential Equations	3	MATH 351 Ordinary Differential Equations	4
ENGR:2130 Engineering Fundamentals III - Thermodynamics	3	CHEM 362 Thermodynamics	4

***Students must have completed Calculus I, II, and III to receive credit for Engineering Math 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 152 Chemical Principles II	4
CHEM:2210 Organic Chemistry I	3	CHEM 241 Organic Chemistry I*	4
CHEM:2220 Organic Chemistry II	3	CHEM 242 Organic Chemistry II*	4
CHEM:2410 Organic Chemistry Lab	3	(excess hrs from CHEM 241 & CHEM 242 fulfill requirements for CHEM:2410)	

GENERAL EDUCATION COMPONENT (GEC)

Students must earn at least 15 semester hours of approved course credit. The requirements are the following: Complete 3 s.h. of an Engineering Be Creative class, 3 s.h. from one of the approved CLAS GEC categories, and 9 s.h. of Approved Course Subjects. For a list of all approved courses go to <https://www.engineering.uiowa.edu/general-education-component-starting-summer-2015>.

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

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