



COLLEGE OF ENGINEERING – TRANSFER GUIDE

WAUBONSEE 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	WCC Equivalent	WCC Sem Hrs
RHET:1030 Rhetoric (4sh limit of rhetoric applies to degree)	4	ENG 101 First Year Composition I ENG 102 First Year Composition II COM 100 Fundamentals of Speech and Communication	3 3 3
CHEM:1110 Principles of Chemistry I	4	CHM 121 General Chemistry	4
PHYS:1611 Introductory Physics I	4	PHY 221 General Physics I	5
PHYS:1612 Introductory Physics II	4	PHY 222 General Physics II	5
MATH:1550 Eng. Math I – Single Variable Calculus***	4	MTH 131 Calculus with Analytical Geometry I AND MTH 132 Calculus with Analytical Geometry II	4 4
MATH 1560 Eng Math II – Multiple Variable Calculus***	4	MTH 233 Calculus with Analytical Geometry III	4
MATH:2550 Eng. Math III – Matrix Algebra	2	MTH 236 Intro to Linear Algebra	4
MATH:2560 Eng. Math IV Differential Equations	3	MTH 240 Differential Equations	4
ENGR:1100 Engineering Problem Solving I	3	EGR 101 Engineering Graphics	3
ENGR:1300 Engineering Problem Solving II	3	CIS 130 C++ Programming	3
ENGR:2110 Engineering Fundamentals I - Statics	2	EGR 220 Analytical Mech Statics	3

***Students transferring to the University of Iowa 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	CHM 232 Chem & Qualitative Analysis	4
CHEM:2210 Organic Chemistry I	3	CHM 231 Organic Chemistry I	4
CHEM:2220 Organic Chemistry II AND	3	CHM 232 Organic Chemistry II	5
CHEM:2410 Organic Chemistry Lab	3	Excess hrs from CHM 231 & 232 fulfill requirements	
ENGR:2710 Dynamics	3	EGR 230 Analytical Mech Dynamics	3

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 Semans Center Iowa City, IA 52242
Phone: (319) 335-5763 or (800) 553-4692
Email: engineering-admissions@uiowa.edu

Waubonsee Community College
Route 34 at Waubonsee Dr
Sugar Grove, IL 60554
630-466-7900
<http://www.waubonsee.edu/index.php>