



COLLEGE OF ENGINEERING – TRANSFER GUIDE

SOUTHEASTERN 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	Southeastern CC Equivalent	SECC Sem Hrs
RHET:1030 Rhetoric (4sh limit of rhetoric applies to degree)	4	ENG 105 Composition I ENG 106 Composition II SPC 112 Public Speaking	3 3 3
CHEM:1110 Principles of Chemistry I	4	CHM 165 General Chemistry I	4
PHYS:1611 Introductory Physics I	4	PHY 212 Classical Physics I	5
PHYS:1612 Introductory Physics II	4	PHY 222 Classical Physics II	5
MATH:1550 Eng. Math I – Single Variable Calculus***	4	MAT 210 Calculus I AND MAT 216 Calculus II	4 4
MATH 1560 Eng. Math II – Multiple Variable Calculus***	4	MAT 219 Calculus III	4
MATH:2550 Eng. Math III – Matrix Algebra	2	MAT 149 Linear Algebra	3
MATH:2560 Eng. Math IV – Differential Equations	3	MAT227 Differential Equations	4
ENGR:1100 Engineering Problem Solving I	3	DRF 113 Fund. Of Tech. Drafting	3
ENGR:1300 Engineering Problem Solving II	3	CIS 171 Java OR CIS 167 Programming in C OR CIS 161 C++	3 3 3
ENGR:2110 Engineering Fundamentals I - Statics	2	MFG 546 Statics/Strengths of Materials	5

***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	CHM 175 General Chemistry II	4
CHEM:2210 Organic Chemistry I	3	CHM 263 Organic Chemistry I	4
CHEM:2220 Organic Chemistry II	3	CHM 273 Organic Chemistry II	4
CHEM:2410 Organic Chemistry Lab	3	Excess hours from CHM 263&CHM 273 fulfill requirements	

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

Southeastern Community College
P.O. Box 180
West Burlington, IA 52655-0180
319-752-2731 (or) 800-828-7322
FAX 319-752-4957
www.secc.cc.ia.us