



# COLLEGE OF ENGINEERING – TRANSFER GUIDE

## SOUTH SUBIRBAN 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	South Suburban College Equivalent	South Suburban Sem Hrs
RHET:1030 Rhetoric (4sh limit of rhetoric applies to degree)	4	ENG 101 Comp & Rhetoric ENG 102 Comp & Literature SPE 108 Oral Communication	3 3 3
CHEM:1110 Principles of Chemistry I	4	CHM 113 General Chemistry I	5
PHYS:1611 Introductory Physics I	4	PHY 210 University Physics I	4
PHYS:1612 Introductory Physics II	4	PHY 211 University Physics II	4
MATH:155 Eng. Math I – Single Variable Calculus***	4	MTH 190 Calculus & Analytical Geometry I <b>AND</b> MTH 203 Calculus & Analytical Geometry II	5 5
MATH:1560 Eng. Math II – Multiple Variable Calculus***	4	MTH 204 Calculus & Analytical Geometry III	5
MATH:2550 Eng. Math III – Matrix Algebra	2	MTH 200 Linear Algebra	3
MATH:2560 Eng. Math IV – Multiple Variable Calculus	3	MTH 205 Differential Equations	3
ENGR:1100 Engineering Problem Solving I	3	EGR 101 Engineering Graphics	3
ENGR:2110 Engineering Fundamentals I - Statics	2	EGR 205 Engineering: Statics & Dynamics	5
ENGR:2120 Engineering Fundamentals II – Circuits	3	EGR 201 Elementary Circuits	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	CHM 114 General Chemistry II	5
CHEM:2210 Organic Chemistry I	3	CHM 203 Organic Chemistry I	5
CHEM:2220 Organic Chemistry II	3	CHM 204 Organic Chemistry II	5
CHEM:2410 Organic Chemistry Lab	3	Excess hours from CHM 204 & CHM 204	
ENGR:2710 Dynamics	3	EGR 205 Engineering: Statics & Dynamics	5

### 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](mailto:engineering-admissions@uiowa.edu)

South Suburban College  
15800 South State Street  
South Holland, IL 60473  
708-210-5718  
<http://www.ssc.edu>