



# COLLEGE OF ENGINEERING – TRANSFER GUIDE

## EASTERN IOWA COMMUNITY COLLEGE - SCOTT

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	EICC-Scott College Equivalent	EICC 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 <b>OR</b> CHM:166 General Chemistry I	4 5
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 <b>AND</b> MAT:216 Calculus II	4 4
MATH:1560 Eng. Math II – Multiple Variable Calculus***	4	MAT:219 Calculus III	4
MATH:2560 Eng. Math IV – Differential Equations	3	MAT:227 Differential Equations with Laplace	4
ENGR:1100 Introduction to Engineering Problem Solving	3	EGR:160 Engineering I	3
ENGR:1300 Introduction to Engineering Computing	3	CIS:121 Intro to Programming Logic <b>OR</b> CIS:161 C++ <b>OR</b> CIS:171 Java	3 3 3
ENGR:2110 Engineering Fundamentals I - Statics	2	EGR:180 Statics	3

\*\*\*Students must complete Calculus I, II, and III to receive credit for Engineering Math I & 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 <b>OR</b> CHM:175 General Chemistry II	4 5
CHEM:2210 Organic Chemistry I	3	CHM:261 Organic Chemistry I <b>OR</b> CHM:263 Organic Chemistry I	4 5
CHEM:2220 Organic Chemistry II	3	CHM:271 Organic Chemistry II <b>OR</b> CHM:273 Organic Chemistry II	4 5
CHEM:2410 Organic Chemistry Lab	3	(excess hrs from above CHM classes can fulfill hrs for CHEM:2410)	
ENGR:2710 Dynamics	3	EGR:280 Dynamics	3
HHP:1100 Human Anatomy	3	BIO:168 Human Anatomy and Physiology I <b>AND</b> BIO:173 Human Anatomy and Physiology II	4 4
BIOL:1411 Foundations of Biology	4	BIO:114 General Biology IA	4
BIOL:1412 Diversity of Form and Function	4	BIO:115 General Biology IIA	4
PSY:1001 Elementary Psychology	3	PSY:111 Elementary Psychology	3

### GENERAL EDUCATION COMPONENT (GEC)

Students must earn at least 15 s.h. in chosen from approved departments and programs. For a list of approved GEC courses go to GEC website link: <http://www.engineering.uiowa.edu/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 Seamans Center Iowa City, IA 52242  
Phone: (319) 335-5763 or (800) 553-4692  
Email: [engineering-admissions@uiowa.edu](mailto:engineering-admissions@uiowa.edu)

EICC – Scott Community College  
306 West River Drive  
Davenport, IA 52801  
Phone: (563) 441-4000 or (800) 895-0811