



# COLLEGE OF ENGINEERING – TRANSFER GUIDE

## GENERAL TRANSFER GUIDELINES

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	Equivalent
010:001 & 010:002	Rhetoric (includes 10:6 speech) 4 (4sh limit of rhetoric applies toward degree)	Composition I Composition II Fund of Communication
004:011	Principles of Chemistry I 4	General Chemistry I (College-level with lab)
029:081	Introductory Physics I 4	Physics I (calculus-based)
029:082	Introductory Physics II 4	Physics II (calculus-based)
22M:031	Single Variable Calculus 4	Calculus I and II
22M:032	Multiple Variable Calculus 4	Calculus III
22M:033	Matrix Algebra 2	Linear Algebra
22M:034	Differential Equations 3	Differential Equations
059:005	Engineering Problem Solving I 3	Introduction to Engineering
059:006	Engineering Problem Solving II 3	Computer Programming
059:007	Fundamentals of Engineering I - Statics 2	Statics
059:008	Fundamentals of Engineering II - Electrical Circuits 3	Intro Electrical Science
059:009	Fundamentals of Engineering III - Thermodynamics 3	Thermodynamics

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.

004:012	Principles of Chemistry II 4	General Chemistry II
004:121	Organic Chemistry I 3	Organic Chemistry I
004:122	Organic Chemistry II 3	Organic Chemistry II
004:141	Organic Chemistry Lab 3	(Labs from Org Chemistry I & II)
057:010	Dynamics 3	Dynamics
057:015	Materials Science 3	Materials Science

### GENERAL EDUCATION COMPONENT (GEC)

All engineering students must complete a minimum of 15 semester hours of humanities and social science electives. At least 6 hours must be from lower-level courses (freshman or sophomore level) and 6 hours from upper-level courses (junior and senior level). *Note:* 1) At least one upper-level course must be from the same department as a lower-level course; 2) a maximum of nine hours of lower-level courses may be transferred from a community college; and 3) Industrial engineering majors are required to take the equivalent of Elementary Psychology, 31:001, an introductory psychology course as part of their GEC. For a list of approved GEC courses go to [www.engineering.uiowa.edu/records](http://www.engineering.uiowa.edu/records).

### 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, 3124 SC  
Iowa City, IA 52242  
319/335-5763 (or) 800/553-4692  
email: [engineering-admissions@uiowa.edu](mailto:engineering-admissions@uiowa.edu)