



# COLLEGE OF ENGINEERING – TRANSFER GUIDE

## MOUNT MERCY UNIVERSITY

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	Mt. Mercy Equivalent	Mt. Mercy Sem Hrs
CHEM:1110 Principles of Chemistry I	4	CH111 General Chemistry I	4.5
MATH:1550 Eng. Math I – Single Variable Calculus***	4	MA 164 Calculus I AND MA 165 Calculus II*	4
		*(excess sh can be applied to MATH:1560)	
MATH:1560 Eng. Math II – Multiple Variable Calculus***	4	MA 166 Calculus III**	3
		**(short 1 sh for MATH:1560)	
MATH:2550 Eng. Math III – Matrix Algebra	2	MA 202 Linear Algebra	4
MATH:2560 Eng. Math IV – Differential Equations	3	MA 245 Differential Equations	3
STAT:2020 Probability and Statistics	3	MA 214 Probability & Statistics	3

\*\*\*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	CH112 General Chemistry II	4.5
CHEM:2210 Organic Chemistry I	3	CH212 Organic Chemistry I	4.5
CHEM:2220 Organic Chemistry II	3	CH212 Organic Chemistry II	4.5
CHEM:2410 Organic Chemistry Lab	3	Excess hours from CH211 AND CH212 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](mailto:engineering-admissions@uiowa.edu)

Mount Mercy  
1330 Elmhurst Dr. NE  
Cedar Rapids, IA 52402-4797  
319-363-8213  
[www.mtmercy.edu](http://www.mtmercy.edu)