

College of Engineering – Transfer Guide University of Guam

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	UoG-Clinton Equivalent		UoG Sem Hrs			
010:001 &			ENG:105	Composition I	3			
010:002	Rhetoric (includes 10:6 speech)	4	ENG:106	Composition II	3			
	(4sh limit of rhetoric applies toward degree)		SPC:112	Public Speaking	3			
004:011	Principles of Chemistry I	4	CH102&CH1	02L General Chemistry	4			
029:081	Introductory Physics I	4	PH251	University Physics	4			
029:082	Introductory Physics II	4	PH252	University Physics	4			
22M:031	Eng Math I Single Variable Calc	4	MA203	Calculus I	5			
			MA204	Calculus II				
22M:032	Eng Math II Multivariable Calc	4	MA205	Mulitvariable Calculus	3			
22M:033	Eng Math III Matrix Algebra	2	MA341	Linear Algebra	3			
22M:034	Differential Equations	3	MA301	Differential Equations	3			
059:005	Engineering Problem Solving I	3	EGR:113	Engineering Drawing II	3			
059:006	Engineering Problem Solving II	3	CS201	Programming I	4			
059:007	Fund Engineering I - Statics	2	ES201	Statics	3			
059:009	Fund Engineering III –Thermo	3	PH305	Thermodynamics	3			
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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	CH103& CH103L General Chemistry		
004:121	Organic Chemistry I	3	CH310 a	Organic Chemistry I	
004:122	Organic Chemistry II	3	CH310 b	Organic Chemistry II	6
004:141	Organic Chemistry Lab	3	CH311&312	Basic Lab. Tech in Organic Chem	4
057:010	Dynamics	3	ES202	Engineering Dynamics	3
057:019	Mechanics of Def Bodies	3	PH302	Mechanics	3

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.

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