



COLLEGE OF ENGINEERING – TRANSFER GUIDE

UNIVERSITY OF NORTHERN IOWA

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	Univ of N. Iowa Equivalent	UNI Sem Hrs
CHEM:1110 Principles of Chemistry I	4	CHEM:1110 General Chemistry I	4
PHYS:1611 Introductory Physics I	4	PHYSICS:1701 Physics I for Science and Engineering	4
PHYS:1612 Introductory Physics II	4	PHYSICS:1702 Physics II for Science and Engineering	4
MATH:1550 Eng. Math I – Single Variable Calculus***	4	MATH:1420 Calculus I AND	4
		MATH:1421 Calculus II	4
MATH:1560 Eng. Math II – Multiple Variable Calculus***	4	MATH:2422 Calculus III	4
MATH:2550 Eng. Math III – Matrix Algebra	2	MATH:2500 Linear Algebra for Applications	3
MATH:2560 Eng. Math IV – Differential Equations	3	MATH:3425 Differential Equations	3
ENGR:1300 Engineering Problem Solving II	3	CS:1160 C/C++ Programming	3
ENGR:2110 Engineering Fundamentals II - Circuits	3	PHYSICS:4300 Introduction to Electronics	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	(Satisfied by CHEM:1130 or CHEM:1110 & CHEM:1120)	
STAT:2020 Prob & Stat for Eng. & Physical Sciences	3	MATH:5752 Introduction to Probability	3

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/current-students/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
 3124 Semans Center
 Iowa City, IA 52242
 Phone: (319) 335-5763 or (800) 553-4692
 Email: engineering-admissions@uiowa.edu

University of Northern Iowa
 Office of Admissions
 120 Gilchrist Hall
 Cedar Falls, IA 50614-0018
 319-273-2281 (or) 800-772-2037