# COLLEGE OF ENGINEERING

## College of DuPage Transfer

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 Cirriculum and Equivalents**

| University of Iowa Course Details | | College of DuPage Equivalency | |
|---|---|---|---|
| **Course Code** | **Course Title** | **Course Code** | **Course Title** |
| RHET: 1030 | Rhetoric (4 s.h. limit of rhetoric applies to degree) | ENGLI: 1101 | Composition I |
| | | ENGLI: 1102 | Composition II |
| | | SPEEC: 1100 | Fundamentals of Speech Communication |
| CHEM: 1110 | Principles of Chemistry I | CHEMI: 1551 | Principles of Chemistry I |
| PHYS: 1611 | Introductory Physics I | PHYSI: 2111 | Physics for Science & Engineering I |
| PHYS: 1612 | Introductory Physics II | PHYSI: 2112 | Physics for Science & Engineering II |
| MATH: 1550 | Eng. Math I - Single Variable Calculus* | MATH: 2231 | Calculus with Analytic Geometry I **AND** |
| | | MATH: 2232 | Calculus with Analytic Geometry II |
| MATH: 1560 | Eng. Math II - Multiple Variable Calculus* | MATH: 2233 | Calculus with Analytic Geometry III |
| MATH: 2250 | Eng. Math III - Matrix Algebra | MATH: 2245 | Linear Algebra |
| MATH: 2560 | Eng. Math IV - Differential Equations | MATH: 2270 | Differential Equations |
| ENGR: 1100 | Introduction to Engineering Problem Solving | ENGIN: 1101 | Engineering Graphics and Design |
| ENGR: 1300 | Introduction to Engineering Computing | CIS: 2521 | C++ Language Programming **OR** |
| | | CIS: 2571 | Intro to Java |
| ENGR: 2110 | Engineering Fundamentals I - Statics | ENGIN: 2201 | Statics |
| ENGR: 2120 | Engineering Fundamentals II - Circuits | ENGIN: 2210 | Circuit Analytics I |
| ENGR: 2130 | Engineering Fundamentals III - Thermodynamics | ENGIN: 2205 | Engineering Thermodynamics |

***Students must have completed Calculus I, II, and III to recieve 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 phychology course.

| Course Code | Course Title | Course Code | Course Title |
|---|---|---|---|
| CHEM: 1120 | Principles of Chemistry II | CHEMI: 1552 | Principles of Chemistry II |
| CHEM: 2210 | Organic Chemistry I | CHEMI: 2551 | Organic Chemistry I |
| CHEM: 2220 | Organic Chemistry II | CHEMI: 2552 | Organic Chemistry II |
| CHEM: 2410 | Organic Chemistry Lab | Excess CHEM: 2551 & CHEM: 2552 hrs fulfill CHEM: 2410 lab requirements | |
| ENGR: 2710 | Dynamics | ENGIN: 2202 | Dynamics |
| ENGR: 2750 | Mechanics of Deformable Bodies | ENGIN: 2203 | Mechanics of Materials |

### General Eduation 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://engineering.uiowa.edu/gec

### Transfer Admissions Requirements

The College of Engineering is looking for an overall GPA that indicates likely sucess in engineering. To transfer into the College of Engineering, students must have demonstrated sucess in math, science and engineering courses (grades of A's and B's in the 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.