CORE ENGINEERING CURRICULA AND EQUIVALENTS

The University of Iowa Course | UI Sem Hrs | Univ of N. Iowa Equivalent | UNI Sem Hrs
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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:1560 Eng. Math II – Multiple Variable Calculus*** | 4 | MATH:1421 Calculus II | 4
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)

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

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Cedar Falls, IA 50614-0018
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