Name:_____ ID:_____

College of Engineering

114 Othmer Hall, 472-3181

Majors
Agricultural Engineering
Biological Systems Engineering
Chemical Engineering
Civil Engineering
Computer Engineering
Construction Management
Electrical Engineering
Industrial Engineering
Interdisciplinary Studies
Mechanical Engineering
Pre-Architectural Engineering
Pre-Construction

The College of Engineering offers undergraduate programs in engineering, and construction management to students on the Lincoln and Omaha campuses. The College's programs provide students with the solid foundations necessary for challenging careers in an increasingly technological world. Engineers and technologists design systems and processes to solve problems arising in any conceivable area of modern life, including the environment, transportation, energy, communications and information processing.
About 85 percent of all engineering degrees granted in the United States during the last four years were in fields offered by the UNL College of Engineering. At Nebraska, you can earn a bachelor of science degree in one of the nine engineering fields offered and on the Omaha campus you can major in computer and electronic engineering, architectural engineering, construction engineering, and civil engineering.
The College of Engineering has developed an outstanding learning environment for students and faculty. Students are taught by world-class faculty who are also participating in cutting-edge research and are able to share the excitement of their scientific discoveries.

College Admission Requirements

In addition to the University admission requirements, the College of Engineering has established supplemental requirements for assured admission. Prospective students must have an ACT composite score of 24 or higher, or an SAT combined score of 1120. The students high school record also must meet the following standards (one unit is equal to one high school year):
4 units of English—intensive reading and writing.
4 units of mathematics—algebra I, II, geometry, pre-calculus and trigonometry.
3 units of social studies—at least 1 unit of American and/or world history and 1 unit of history, American government and/or geography.
3 units of natural sciences—must include chemistry and physics. One of the units must include laboratory.
2 units of foreign language.

Recommended Courses

Suggested Introductory Courses

Transfer students need to select courses with their NSE adviser

Agricultural Engineering

5 Mathematics 106
4 Chemistry (see below)
1 Agricultural Engineering 100
0 Engineering 010
3 Agricultural or Biological Sciences Elective
3 Humanities & Social Sciences Electives from list

Biological Systems Engineering
5 Mathematics 106
4 Chemistry 113
1 Bio Systems Engineering 100
0 Engineering 010
6 Humanities & Social Sciences Electives from list

Chemical Engineering
5 Mathematics 106
4 Chemistry 113
3 Chemical Engineering 112
0 Engineering 010
6 Humanities & Social Sciences Electives from list

Civil Engineering
5 Mathematics 106
4 Chemistry (see below)
1 Civil Engineering 112
3 Computer Science, Engineering 150 or 155
0 Engineering 010
3 Humanities & Social Sciences Electives from list

Computer Engineering
5 Mathematics 106
1 CSCE
4 Computer Science & Computer Engineering 155
0 Engineering 010
3 Humanities & Social Sciences Electives from list
3 ELEC 121

Construction Management
5 Mathematics 106
4 Geology 101
3 English 151
1 Construction Management 131
0 Engineering 010

Electrical Engineering
5 Mathematics 106
4 Chemistry (see below)
3 Electrical Engineering 121
0 Engineering 010
3 Humanities & Social Sciences Electives from list

Industrial Engineering
5 Mathematics 106
4 Chemistry (see below)
0 Industrial and Management Systems Engineering 050
2 Mechanical Engineering 130
0 Engineering 010
6 Humanities & Social Sciences Electives from list

Mechanical Engineering
5 Mathematics 106
4 Chemistry (see below)
0 Engineering 010
6 Humanities & Social Sciences Electives from list

Undeclared Engineering
5 Mathematics 106
4 Chemistry (see below)
0 Engineering 010
6 Humanities & Social Sciences Electives from list

Pre-Architectural Engineering
5 Mathematics 106
4 Chemistry 109
1 Civil Engineering 112
3 Architecture 106
2 Mechanical Engineering 130
0 Engineering

Checklist

Humanities & Social Sciences Electives
Essential Studies
Area C: Human Behavior, Culture and Social Organization
__ Anthropology 107
__ Anthropology 110

__ Anthropology 130
__ Agricultural Economics 141
__ Communication Studies 130
__ Geography 120
__ Geography 140
__ Horticulture 130
__ Political Science 100
__ Political Science 104
__ Political Science 106
__ Political Science 160
__ Psychology 181
__ Sociology 101
See adviser for Honors Seminar Area

Area E: Historical Studies
__ History 100
__ History 101
__ History 105
__ History 150
__ History 181
__ History 201
__ History 202

Area F: Humanities
__ Classics 150G
__ Classics 180
__ English 180
__ Philosophy 101
__ Philosophy 106
__ Philosophy 110
__ Philosophy 116

Area G: Arts
__ Art History 101
__ Art History 102
__ Theatre 112G

Area H: Race, Ethnicity and Gender
__ Ethnic Studies 100
__ History 150
__ History 171
__ History 181

Other Electives
__ Modern Languages (any language, literature or culture course) for 100-level courses 3 of 5 credits will apply
__ University Foundations

If you are enrolled in a Learning Community, please refer to the courses required by that community when preparing your checklist.

General Chemistry Requirements

All students majoring in agricultural engineering, civil engineering, or mechanical engineering may satisfy the general chemistry requirement by either taking CHEM 111 (a one semester accelerated 4 credit hour course especially designed for engineering majors taking only one semester of chemistry), OR by taking both CHEM 109 and 110 (an 8 credit hour requirement; NOTE: agricultural engineering, civil engineering and mechanical engineering majors may ONLY COUNT 4 credit hours of chemistry toward their graduation requirement). Computer engineering, electrical engineering, and industrial engineering majors may satisfy the general chemistry requirement by either taking CHEM 109 OR CHEM 111 (a one semester accelerated 4 credit hour course especially designed for engineering majors taking only one semester of chemistry). Supplemental instruction will be available to all students enrolling in CHEM 111.

Math Placement

Students must successfully qualify for the appropriate mathematics course on the Math Placement Exam. Some students who have completed calculus I or II in high school may qualify to take MATH 107 or 208 with the approval of the Department of Mathematics and Statistics. Students who successfully complete (grade of ‘C’ or better) MATH 107 or 208 as their first math course at UNL, will be given credit for MATH 106 or MATH 106 and 107, respectively, with no additional tuition.