INTERNATIONAL ENGINEERING MINOR

Description

This minor is for engineering majors ONLY.

This minor is designed to encourage and recognize undergraduate students who enhance their engineering education with courses and experiences consistent with the global nature of engineering and the economy.

The College of Engineering enables its students to participate in this approved minor subject to the following conditions:

1. A minor will not reduce or alter the existing course or degree requirements for students electing to pursue a minor.
2. A student's minor program must be organized and approved by an advisor prior to the submission of the senior check to the department chair or head.
3. The minor must be approved by the advisor, the department chair or head, the Dean, and the cognizant program offering the minor.
4. The College of Engineering will follow the "Plan A/B" format of the UNL College of Arts and Sciences in which a student pursuing a single minor must complete the "Plan A" requirements. A student pursuing a double (or greater) minor must fulfill either the "Plan A" or "Plan B" requirements for both minors depending on which plan is offered by the cognizant department.

College Requirements

College Admission

College Entrance Requirements

Students must have high school credit for (one unit is equal to one high school year):

1. Mathematics – 4 units: 2 of algebra, 1 of geometry, and 1 of precalculus and trigonometry
2. English – 4 units
3. Natural sciences – 3 units that must include 1 unit of physics and 1 unit of chemistry (chemistry requirement waived for students in construction management or computer science)
4. Foreign language – 2 units of a single foreign language
5. Social studies – 3 units
6. Students having a composite ACT score of 28 or greater (or equivalent SAT score) will be admitted to the College of Engineering even if they lack any one of the following: trigonometry, chemistry, or physics. Students without test scores who are missing a full unit of trigonometry/pre-calculus/calculus or chemistry or physics will be evaluated through College Review.

A total of 16 units is required for admission.

Engineering requires that student performance meet one of the following standards: composite ACT of 24, SAT of 1180, ACT Math subscore of 24, SAT Math subscore of 580, or a 3.5 cumulative GPA.

Any domestic first-year student who does not gain admission to Engineering but does gain admission to the University of Nebraska-Lincoln (UNL) will be reviewed through College Review. College Review is conducted through the College Review Committee which considers factors beyond standardized testing. Any first-year student who is not admitted through college review is placed in Pre-Engineering (PENG) with the Exploratory and Pre-Professional Advising Center (Explore Center). Students in the Explore Center can transfer to the College of Engineering once college admission requirements are met.

Students for whom English is not their language of nurture must meet the minimum English proficiency requirements of the University.

Students who lack entrance units may complete precollege training by Independent Study through the University of Nebraska–Lincoln Office of On-line and Distance Education, in summer courses, or as a part of their first or second semester course loads while in the Explore Center or other colleges at UNL.

Students should consult their advisor, their department chair, or Engineering Student Services (ESS) if they have questions on current policies.

Other Admission Requirements

Students who transfer to the University of Nebraska–Lincoln from other accredited colleges or universities and wish to be admitted to the College of Engineering (COE) must meet COE first-year student entrance requirements, have a minimum cumulative GPA of 2.5, and be calculus-ready. Students not meeting either of these requirements must enroll in the Explore Center or another University college until they meet COE admission requirements. Students transferring from UNO, UNL, or UNK to the College of Engineering must be in good academic standing with their institution.

The COE accepts courses for transfer for which a C or better grade was received. Although the University of Nebraska–Lincoln accepts D grades from the University of Nebraska Kearney and the University of Nebraska Omaha, not all majors in the COE accept such low grades. Students must conform to the requirements of their intended major and, in any case, are strongly encouraged to repeat courses with a grade of C- or less.

Students who were previously admitted to COE and are returning to the College of Engineering must demonstrate a cumulative GPA of 2.5 to be readmitted to COE.

College Degree Requirements

Grade Rules

Grade Appeals

In the event of a dispute involving any college policies or grades, the student should appeal to their instructor, and appropriate department chair or school director (in that order). If a satisfactory solution is not achieved, the student may appeal their case through the College Academic Appeals Subcommittee.

Catalog Rule

Students must fulfill the requirements stated in the catalog for the academic year in which they are first admitted at the University of Nebraska–Lincoln. In consultation with advisors, a student may choose to follow a subsequent catalog for any academic year in which they are admitted to and enrolled as a degree-seeking student at Nebraska in the College of Engineering. Students must complete all degree requirements from a single catalog year. The catalog which a student follows for degree requirements may not be more than 10 years old at the time of graduation.

Students who have transferred from a community college may be eligible to fulfill the requirements as stated in the catalog for an academic year in which they were enrolled at the community college prior to attending the University of Nebraska-Lincoln.# This decision should be made in consultation with the student's College of Engineering academic advising team (e.g., ESS professional advisor and the chief faculty advisor for the student's declared degree program).# The chief faculty advisor has the final authority for this decision. Eligibility is based on a) enrollment in a community college during the catalog year the student wishes to utilize, b) maintaining continuous enrollment of at least 12 credit hours per semester at the previous institution for at least 2 semesters, and c) continuous enrollment at the University of Nebraska-Lincoln within 1

calendar year from the student's last term at the previous institution.
Students must complete all degree requirements from a single catalog year and within the timeframe allowable for that catalog year.

Requirements for Minor Offered by Department

Plan A (18 credits)

1. Twelve (12) credit hours of courses in international engineering and internationally related courses.
   a. A minimum of 3 credit hours must be ENGR 490 (https://nextcatalog.unl.edu/search/?P=ENGR%20490) Global Experiences or a 3-credit education abroad course from another University of Nebraska–Lincoln college (such as AGRI 310 (https://nextcatalog.unl.edu/search/?P=AGRI%20310) Study Tours in International Agriculture or BSAD 491 (https://nextcatalog.unl.edu/search/?P=BSAD%20491) International Studies in Business and Economics) or from another university. Substitution for ENGR 490 (https://nextcatalog.unl.edu/search/?P=ENGR%20490) with related COE courses, participation in a study abroad experience, or courses from another college or university must be pre-approved by the Engineering Student Services office. International students should meet this requirement in countries other than their own or the U.S.
   b. At least one of the following internationally-related economics, development, leadership, marketing, or trade courses:
      i.

Code	Title	Credits
AECN 346 World Food Economics [1]		3
AECN 367 Agricultural Development in Developing Countries [1]		3
AECN 420 International Food and Agricultural Trade [1]		3
ECON 3600	INTRODUCTION TO INTERNATIONAL ECONOMICS	3
MGMT 414 International Management [1]		3

[1] This course is offered at UNL. Complete an Intercampus Application to enroll in this course through UNL.

1. a.
2. A maximum of 3 credits from special problems (projects) or honors thesis-type courses (e.g., departmental 3900, 3960, 3980, 3990, 4910, 4980, 4990 courses) may be used toward the 12-credit requirement.
3. Elective courses to complete the 12-credit requirement must be chosen from the list of courses maintained by the College of Engineering Student Services office.
4. A minimum of 3 credit hours, not including (a) through (c) above, must be in 2000-level courses or above.
5. A maximum of 6 credit hours may be taken Credit/No Credit.
6. Six (6) credit hours of modern language consisting of at least two courses. Entry-level modern language courses (such as the 5-credit 1010 and 1020 courses at the University of Nebraska Omaha) that are used to remove a University of Nebraska–Lincoln entrance deficiency in modern languages may not be used to satisfy this requirement. International students may not use modern language courses of origin in their native (first) language. Where modern language courses exceed 3 credits, a maximum of 3 total credits each will apply to the Plan A minor. These courses may not be taken Credit/No Credit.

Plan B (12 credits)

1. Nine (9) credit hours of courses in international engineering and internationally related courses.
   a. A minimum of 3 credit hours must be ENGR 490 (https://nextcatalog.unl.edu/search/?P=ENGR%20490) Global Experiences or a 3-credit education abroad course from another University of Nebraska college (such as AGRI 310 (https://nextcatalog.unl.edu/search/?P=AGRI%20310) Study Tours in International Agriculture or BSAD 491 (https://nextcatalog.unl.edu/search/?P=BSAD%20491) International Studies in Business and Economics) or from another university. Substitution for ENGR 490 (https://nextcatalog.unl.edu/search/?P=ENGR%20490) with related COE courses, participation in a study abroad experience, or courses from another college or university must be pre-approved by the Engineering Student Services office. International students should meet this requirement in countries other than their own or the U.S.
   b. At least one of the following internationally related economics, development, leadership, marketing, or trade courses:
      i.

1.

Code	Title	Credits
AECN 346 World Food Economics [1]		3
AECN 367 Agricultural Development in Developing Countries [1]		3
AECN 420 International Food and Agricultural Trade [1]		3
AECN 425 Agricultural Marketing in a Multinational Environment [1]		3
ECON 3600	INTRODUCTION TO INTERNATIONAL ECONOMICS	3
MGNT 414 International Management [1]		3

1.

[1] This course is offered at UNL. Complete an Intercampus Application to enroll in this course through UNL.

1. a. i.
   b. A maximum of 3 credits from special problems (projects) or honors thesis type courses (e.g., departmental 3900, 3960, 3980, 3990, 4910, 4980, 4990 courses) may be used toward the 9 credit requirement.
   c. Elective courses to complete the 9-credit requirement must be chosen from the list of courses maintained by the College of Engineering Student Services office.
   d. A minimum of 3 credit hours, not including (a) through (c) above, must be in 2000-level courses or above.
   e. A maximum of 6 credit hours may be taken Credit/No Credit.
2. Three (3) credit hours of modern language coursework. Entry-level modern language courses (such as the 5-credit 1010 and 1020 courses at the University of Nebraska) that are used to remove a University of Nebraska–Lincoln entrance deficiency in modern languages may not be used to satisfy this requirement. International students may not use modern language courses of origin in their native (first) language. Where modern language courses exceed 3 credits, a maximum of 3 total credits each will apply to the Plan B minor. This course may not be taken Credit/No Credit.