

# Kishwaukee College and NIU CEET Transfer Guidelines for B.S. Degree in <u>Electrical Engineering</u>

## The 2+2 Plan for Community College Students

The Department of Electrical Engineering welcomes transfer students from Illinois community colleges. Students find it easy to continue their studies at NIU if they plan well. Therefore, following the course guidelines in this brochure while completing an Associate in Engineering Science (AES) Degree is highly recommended [1]. Students should always work closely with their community college advisor.

## **Courses at Kishwaukee College**

COMS 100  ENGL 103  ENGL 203  CHEM 210 and CHEM 212  CSCI 240
ENGL 203 CHEM 210 and CHEM 212
CHEM 210 and CHEM 212
CSCI 240
MATH 229
MATH 230
MATH 232
MATH 336
PHYS 253
PHYS 273
MEE 210
MEE 211
ELE 210
UEET 101

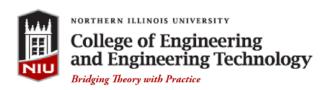
<sup>\*</sup>Satisfies NIU Foundational Studies Oral Communication Requirement.

#### **General Education Requirements**

NIU's College of Engineering and Engineering Technology no longer requires special sequences in Social Sciences and Humanities. Therefore, students only need to satisfy NIU's general education requirements. When choosing general education ("knowledge domain") courses, please consult with your Kishwaukee advisor, verify general

<sup>\*\*</sup>Satisfies NIU Foundational Studies Writing Requirement.

<sup>[1]</sup> Only A.A. and A.S. degrees satisfy NIU's general education requirements.



education requirements in the NIU Undergraduate Catalog, and check the NIU Community College Articulation Tables for transferability.

#### **Courses at NIU**

Remaining classes to be taken at NIU's College of Engineering and Engineering Technology to earn a Bachelor of Science Degree in **Electrical Engineering**:

ELE 210U	Engineering Circuit Laboratory Project
ELE 250	Computer Engineering I
ELE 250U	Computer Engineering I Laboratory
ELE 315	Signals and Systems
ELE 330	Electronic Circuits
ELE 335	Theory of Semiconductor Devices I
ELE 340	Electrical Power Systems
ELE 356	Computer Engineering II
ELE 360	Communications Systems
ELE 370	Engineering Electromagnetics
ELE 380	Control Systems I
ELE 491	Electrical Engineering Design Proposal
ELE 492	Electrical Engineering Design Project
OR ELE 429	OR Biomedical Engineering Design Project
ISYE 220	Engineering Economy
ISYE 335 OR	Probability and Statistics for Engineers OR
STAT 350	Introduction to Probability and Statistics
PHYS 283	Fundamentals of Physics III: Quantum Physics

#### 18 semester hours of Technical Electives

Electives may be any ELE course numbered 400 or higher with the exception of ELE 429, ELE 491, ELE 492, and ELE 497. With the approval of the Department of Electrical Engineering, other mathematics, sciences, or engineering courses may be used as electives. At least 12 of these 18 semester hours must be from the Department of Electrical Engineering, and a minimum of two courses must be selected from one of the following five areas: Microelectronics, Power/Controls, Signal Processing/Communications, Electromagnetics, and Computer Engineering.

### **For More Information**

**Department of Electrical Engineering**CEET EB 330
Northern Illinois University



DeKalb, IL 60115-2854 (815) 753-9974

Visit our Home Page. This site provides information on course descriptions, course syllabi, lab tours, faculty profiles, student organizations, suggested 4-year degree plans, other useful links, etc.

#### For undergraduate application materials, contact:

Office of Admissions Northern Illinois University DeKalb, IL 60115-2857 admissions@niu.edu

Apply online at: http://www.admissions.niu.edu/admissions/

For more information on transfer programs at NIU:

Call (815) 753-0446 or (800) 892-3050 (toll free) and ask to speak with a Transfer Counselor.

For more information about the Engineering Transfer Program at Kishwaukee College, contact: Counseling and Student Development at (815) 825-2086 ext. 5070 or cnsl\_adv@kishwaukeecollege.edu.

**Disclaimer:** Although NIU attempts to accommodate the course requests of all students, some course offerings may be limited by financial, space, and staffing considerations, or may otherwise be unavailable. Nothing in this brochure may be construed to promise or guarantee registration in any course or course of study (whether required or elective), nor may anything be construed to promise or guarantee the completion of an academic program within a specific length of time. All degree requirements are subject to the provisions and notices in the Undergraduate Catalog. Information in this brochure is valid through August 2016.