

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

## The 2+2 Plan for Community College Students

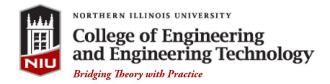
The Department of Electrical Engineering welcomes transfer students from Illinois community colleges. Students find it easy to continue their studies at NIU if they plan well. Therefore, following the course guidelines in this brochure while completing an Associate of Science (AS) Degree is highly recommended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

## **Courses at Black Hawk College**

Courses at Black Hawk College	Equivalent courses at NIU
Principles of Speech Communication	COMS 100
Composition I	ENGL 103
Composition II	ENGL 203
General Chemistry I	CHEM 210 and CHEM 212
Introduction to Computer Science	CSCI 240; see CSCI Department for adjustment
Calculus I w/ Analytic Geometry	MATH 229
Calculus II w/ Analytic Geometry	MATH 230
Calculus III w/ Analytic Geometry	MATH 232
Differential Equations	MATH 336
General Physics	PHYS 253
General Physics	PHYS 273
Analytic Mechanics Statics	MEE 210
Analytic Mechanics Dynamics	MEE 211
	uirement.
	Principles of Speech Communication   Composition I   Composition II   General Chemistry I   Introduction to Computer Science   Calculus I w/ Analytic Geometry   Calculus II w/ Analytic Geometry   Calculus III w/ Analytic Geometry   Differential Equations   General Physics   Analytic Mechanics Statics

### **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 advisor, verify general education requirements in the NIU Undergraduate Catalog, and check the NIU Community College Articulation Tables for transferability. Students are also required to fulfill a Human Diversity



requirement, which may be fulfilled by a knowledge domain course.

## **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:** 

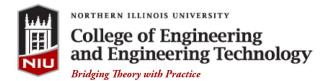
UEET 101/301	An Introduction to Engineering
ELE 210	Engineering Circuit Analysis
ELE 210U	Engineering Circuit Laboratory Project
ELE 250	Computer Engineering I
ELE 250U	Computer Engineering I Laboratory
ELE 315	Signals and Systems
ELE 330	Electronic Circuits
ELE 335	Theory of Semiconductor Devices I
ELE 340	Electrical Power Systems
ELE 356	Computer Engineering II
ELE 360	Communications Systems
ELE 370	Engineering Electromagnetics
ELE 380	Control Systems I
ELE 395	Electrical Engineering Design Proposal
ELE 495 AND	Senior Electrical Engineering Design I
ELE 429	Senior Electrical Engineering Design II
ISYE 220	Engineering Economy
ISYE 335 OR	Probability and Statistics for Engineers OR
STAT 300	Introduction to Probability and Statistics
PHYS 283	Fundamentals of Physics III: Quantum Physics

### 15-18 semester hours of Technical Electives

In addition to the courses listed above, students are required to complete 15-18 hours of electives within CEET. Specific electives will be reviewed with student's assigned faculty advisor and academic catalog.

## **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 Black Hawk College, contact: Cathryn Lass, Articulation Transfer Coordinator, at (309) 796-5474 or lassc@bhc.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 2018.