



## College of DuPage and NIU CEET Transfer Guidelines for B.S. Degree in Electrical Engineering

### 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 College of DuPage

Courses at College of DuPage		Equivalent courses at NIU
*SPEEC 1100	Fundamentals of Speech Communication	COMS 100
**ENGLI 1101	English Composition I	ENGL 103
**ENGLI 1102	English Composition II	ENGL 203
CHEMI 1551	Principles of Chemistry I	CHEM 210 and CHEM 212
CIS 2541+ CIS 2542	C++ Language Programming	CSCI 240 (Contact CSCI Department for adjustment)
MATH 2231	Calculus & Analytic Geometry I	MATH 229
MATH 2232	Calculus & Analytic Geometry II	MATH 230
MATH 2233	Calculus & Analytic Geometry III	MATH 232
MATH 2270	Differential Equations	MATH 336
PHYSI 2111	Physics for Science and Engineering I	PHYS 253
PHYSI 2112	Physics for Science and Engineering II	PHYS 273
PHYSI 2115	Physics for Science and Engineering III	PHYS 283
ENGIN 2201	Statics	MEE 210
ENGIN 2202	Dynamics	MEE 211
ENGIN 2210	Circuit Analysis I	ELE 210 and ELE 210U
ENGIN 2213	Introduction to Digital Systems	ELE 250 and ELE 250U
*Satisfies NIU Foundational Studies Oral Communication Requirement.		
**Satisfies NIU Foundational Studies Writing Requirement.		
[1] Only A.A. and A.S. degrees satisfy NIU's general education requirements.		

### 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



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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**:

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 Junior Design
ELE 495 <b>AND</b> ELE 496	Senior Electrical Engineering Design I <b>AND</b> Senior Electrical Engineering Design II
ISYE 220	Engineering Economy
ISYE 335 <b>OR</b> STAT 300	Probability and Statistics for Engineers <b>OR</b> Introduction to Probability and Statistics
UEET 101	Introduction to Engineering

### 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.

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### For More Information

#### Department of Electrical Engineering

CEET EB 330  
Northern Illinois University  
DeKalb, IL 60115-2854  
(815) 753-1290

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



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[admissions@niu.edu](mailto: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 College of DuPage,** contact: Health and Sciences Division, at (630) 942-2010 or [CODEngineering@cod.edu](mailto:CODEngineering@cod.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.

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