NORTHERN ILLINOIS UNIVERSITY
College of Engineering and Engineering Technology

Rock Valley College 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 Rock Valley College

Courses at Rock Valley College		Equivalent courses at NIU
*SPH 131	Fundamentals of Communication	COMS 100
**ENG 101	Composition I	ENGL 103
**ENG 103	Composition II	ENGL 203
CHM 120	General Chemistry I	CHEM 210 and CHEM 212
CIS 276 **OR** MTH 164	Intro to C/C++ Programming **OR** The Computer In Mathematics C/C++	CSCI 240 **(students who took MTH 164 will need to see CSCI Department to adjust)**
MTH 135	Calculus w/ Analytic Geometry I	MATH 229
MTH 235	Calculus w/ Analytic Geometry II	MATH 230
MTH 236	Calculus w/ Analytic Geometry III	MATH 232
MTH 240	Differential Equations	MATH 336
PHY 215	Mechanics, Wave Motion and Thermodynamics	PHYS 253
PHY 225	Electricity, Magnetism, Light and Modern Physics	PHYS 273
EGR 206	Statics	MEE 210
EGR 207	Dynamics	MEE 211
EGR 231	Engineering Circuit Analysis	ELE 210 and ELE 210U
EGR 250	Digital Electronics	ELE 250 and ELE 250U
EGR 101	Introduction to Engineering	UEET 101
*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.		

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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 RVC 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	Senior Electrical Engineering Design I
ELE 496	Senior Electrical Engineering Design II
ISYE 220	Engineering Economy
ISYE 335 **OR** STAT 300	Probability and Statistics for Engineers **OR** Introduction to Probability and Statistics
PHYS 283	Fundamentals of Physics III: Quantum Physics

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.

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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 AES program at Rock Valley College, contact Business/CIS/Engineering and Technology at (815) 921-3101.

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 2020.

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