



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

The 2+2 Plan for Community College Students

The **Department of Mechanical 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
ENGIN 1101	Engineering Graphics and Design	MEE 270
ENGIN 2201	Statics	MEE 210
ENGIN 2202	Dynamics	MEE 211
ENGIN 2203	Mechanics of Materials	MEE 212
ENGIN 2205	Engineering Thermodynamics	MEE 350
ENGIN 2210	Circuit Analysis I	ELE 210 and ELE 210U
*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



NORTHERN ILLINOIS UNIVERSITY

College of Engineering and Engineering Technology

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 COD advisor, verify general 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 **Mechanical Engineering**:

MEE 320	Mechanism Design and Analysis
MEE 321	Mechanical Vibrations I
MEE 322 OR ELE 380	Dynamic Systems and Control I OR Control Systems I
MEE 330	Materials Science
MEE 331	Manufacturing Processes
MEE 340	Fluid Mechanics
MEE 352	Heat Transfer
MEE 380 OR MEE 381	Computational Methods in Engineering Design OR Computational Methods and Programming in Engineering Design
MEE 390	Experimental Methods in Mechanical Engineering I
MEE 430	Computer-Aided Design and Manufacturing
MEE 383	Engineering Analysis
MEE 470	Design of Machine Elements
MEE 485	Senior Mechanical Engineering Design I
MEE 486	Senior Mechanical Engineering Design II
ISYE 220	Engineering Economy
UEET 101	Introduction to Engineering

A total of 15-18 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 Mechanical Engineering

CEET EB 226

Northern Illinois University



NORTHERN ILLINOIS UNIVERSITY

College of Engineering and Engineering Technology

DeKalb, IL 60115-2854
(815) 753-9979

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 College of DuPage, contact: Health and Sciences Division, at (630) 942-2010 or 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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