



JOHNSON COUNTY COMMUNITY COLLEGE
Transfer Program to Kansas State University
College of Engineering
Electrical Engineering (128 hours)
2018-2019 Catalog

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Engineering is a profession in which knowledge of mathematics and natural science is applied to develop ways to utilize the materials and forces of nature for the benefit of mankind. The curricula for the KSU College of Engineering are designed to meet the Accreditation Board of Engineering and Technology (ABET) degree program criteria.

General Information Including Grade Requirements:

Students should be aware that only half of the total B.S. degree credits (129 hours) may be earned at a two-year school, at least 30 credit hours must be KSU credit hours, and 20 of the last 30 must be KSU credit hours. Only courses with a grade of A, B or C will be applicable toward engineering degree requirements.

Admissions

After admission to K-State, applicants will be evaluated for admission by the College of Engineering based on cumulative college or university grade point average and courses taken. An overall cumulative GPA of 2.75 on all transfer coursework is required for acceptance into the College of Engineering. It is preferred that transfer applicants are eligible to enroll in or completed the first calculus course in the math sequence for a specific degree program. Applicants will be notified by the College of Engineering about their admission status.

Transfer applications are accepted for all terms. For spring and summer semester admission, all documents must be postmarked by November 1 to receive priority consideration. For fall semester admission, all documents must be postmarked by February 1 to receive priority consideration

College of Engineering admission is selective based on academic performance and space availability.

IT is the STUDENT'S RESPONSIBILITY TO CHECK FOR UPDATES TO ALL TRANSFER INFORMATION. This transfer guide is provided as a service and is updated annually. Degree requirements at the four- year colleges are subject to change by those institutions.

KSU Requirements	Credit Hr.	JCCC Equivalent	Credit Hr.
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Communication

ENGL 100 Expos Writing	3	^ENGL 121 Composition I	3
COM 100 Public Speaking	3	SPD 121 Public Speaking	3

^Special Note for ENGL 121 - If a student earns a C or lower grade in ENGL 121, they must retake ENGL 121 to get an A or B grade, or take ENGL 122.

Humanities and Social Science

Sociology	3	SOC 122 Intro to Sociology (meets Human Diversity K-State 8)	3
History	3	HIST 140 US History to 1877 (meets Historical Perspectives tag) OR HIST 141 US History since 1877 (meets Historical Perspectives)	3
Philosophy	3	PHIL 121 Intro to Philosophy OR PHIL 128 Environmental Ethics OR PHIL 143 Ethics (All courses above meet Ethical Reasoning K-State 8)	3
ECON 110 Principles of Macroeconomics	3	ECON 230 Prin of Macroeconomics	3

Quantitative Math

MATH 220 Analytic Geometry and Calculus	4	MATH 241 Calculus I	5
MATH 221 Analytic Geometry and Calculus II	4	MATH 242 Calculus II	5
MATH 222 Analytic Geometry and Calculus III	4	MATH 243 Calculus III	5
MATH 340 Elementary Differential Equations	4	MATH 254 Differential Equations	4

Natural Sciences

CHM 210 Chemistry I	4	CHEM 124 AND 125 General Chemistry I Lecture and Lab	5
PHYS 213 Engineering Physics I	5	PHYS 220 Engineering Physics I	5
PHYS 214 Engineering Physics II	5	PHYS 221 Engineering Physics II	5

Additional KSU Courses

CIS 209 C Programming for Engineers	3	CS 235 Int Object Oriented Prog C++	3
ENGL 251 Introduction to Literature	3	ENGL 130 Introduction to Literature	3