

TRANSFER advising guide



FORT SCOTT COMMUNITY COLLEGE
Transfer Program to Kansas State University
College of Engineering
Chemical Engineering (128 hours)

Contact: Assistant Dean of Academics
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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. The overall curriculum provides an integrated educational experience that is practice-oriented while firmly rooted in fundamentals, learning-based, and integrative and holistic. Coursework in the following areas is included:

- Communications
- Humanities and Social Sciences
- Physical Sciences and Mathematics
- Engineering Sciences
- Discipline specific courses and technical electives

General Information Including Grade Requirements:

Approximately 30% of the KSU/Engineering graduating seniors are transfer students, many earning credits from several two- and four-year schools. However, students should be aware that only half of the total B.S. degree credits 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

For admission into the College of Engineering, a transfer student with 12 or more transfer hours must have a 2.75 cumulative GPA or higher. Given extenuating circumstances, exceptions to this policy may be granted with the recommendation of the pre-engineering advisor at the transfer institution. If students with less than a 2.75 GPA are allowed an exception, they will be admitted on a conditional basis into General Engineering (ENUN). The advisor should send a letter of recommendation with the student application and fee to the Office of Admissions with a copy of the letter to the College of Engineering. Students are strongly encouraged to retake their mathematics and science courses until they have earned a 2.75 GPA before applying to K-State.

To apply for admission to Kansas State University, complete an application from the Admissions Office or online at www.k-state.edu/admissions and have complete official transcripts from all previous colleges sent directly to the Office of Admissions, Kansas State University, 119 Anderson Hall, Manhattan, KS, 66505-0102.

Each student must successfully complete credit-bearing courses/experiences to cover all of the K-State 8 areas. A minimum of four different course prefixes (e.g. AGECE, MATH, FSHS) must be represented in the fulfillment of the K-State 8 requirements. Students who began at K-State before Summer 2011, may choose to move to the K-State 8 program or complete their degrees with University General Education (UGE) requirements. For more information: <http://www.k-state.edu/kstate8>



Aesthetic Experiences and Interpretive Understanding
 Empirical and Quantitative Reasoning
 Ethical Reasoning and Responsibility
 Global Issues and Perspectives



Historical Perspectives
 Human Diversity within the U.S.
 Natural and Physical Sciences
 Social Sciences

Disclaimer

The material in this community college transfer guide is provided for informational purposes only. General requirements, courses, curricula, degree requirements, fees, and policies are subject to constant review and change without notice. Final approval for transfer credit to degrees is determined by departments within the college after students are admitted.

<u>KSU Requirements</u>			<u>Fort Scott Equivalents</u>		
<u>Communications (8-9 hours)</u>					
ENGL	100	Expository Writing I	___	ENG 1013	English 101
ENGL	415	Written Communications			
COMM	106	Public Speaking I	___	SPE 1093	Speech I

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<p>Humanities & Social Sciences (12 hours) Required: ECON 110 Macroeconomics Electives (9 hours): 1. _____ 2. _____ 3. _____</p>	<p>____ ECO 2023 Macro-Economics</p>
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<p>Quantitative Math (16 hours) MATH 220 Analytic Geometry and Calculus I MATH 221 Analytic Geometry and Calculus II MATH 222 Analytic Geometry and Calculus III MATH 240 Elementary Differential Equations</p>	<p>____ MAT 1015 Calculus with Analytical Geometry I ____ MAT 1025 Calculus with Analytical Geometry II ____ MAT 2033 Calculus with Analytical Geometry III ____ MAT 2053 Differential Equations</p>
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<p>Natural Sciences (30 hours) CHM 210 Chemistry I CHM 230 Chemistry II CHM 371 Chemical Analysis CHM 531 Organic Chemistry I PHYS 213 Engineering Physics I PHYS 214 Engineering Physics II CHEM/BIOCH/BIOL Elective 1. _____ (CHM 550, 566, 585, BIOCH 521, 590, 755, 765, BIOL 450, 455, 500, 529, 541, or others above 450) Advanced Lab Experience 1. _____ (must be one of CHM 532, 586, 598, BIOCH 522, 756, BIOL 455)</p>	<p>____ CHE 1015 General Chemistry I ____ CHE 1025 General Chemistry II ____ CHE 2055 Quantitative Analysis ____ PHS 2015 College Physics I: w/ Calc ____ PHS 2025 College Physics II: w/ Calc</p>
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<u>KSU Courses</u>	<u>Credits</u>
CHE 015 Engineering Assembly (every semester)	0
CHE 110 Current Topics in CHE	1
CHE 320 Chemical Process Analysis	3
CHE 350 Electric Material	2
OR	
CHE 353 Structure Material	2
CHE 416 Comp. Tech. in CHE	3
CHE 520 CHE Thermo I	2
CHE 521 CHE Thermo II	3
CHE 530 Trans. Phen. I	3
CHE 531 Trans. Phen. II	3
CHE 535 Transport Phen. Lab	3
CHE 542 Unit. Oper. Lab	3
CHE 550 Chemical Reaction Engineering	3
CHE 560 Sep. Proc. Des.	3
CHE 561 CHE Proc. Des & Cont.	3
CHE 570 CHE Sys. Des. I	2
CHE 571 CHE Sys. Des. II	4
CHM 595 Phys. Chem. II	3

Fort Scott Equivalency

ELECTIVES
 Technology (must include CE 530 or CE 333 and ME 512,
 Or one of EECE 510, 519, 557, 525

____	3
____	3
____	3
<i>CHE Elective</i>	
____	3