



**JOHNSON COUNTY
COMMUNITY COLLEGE**

JOHNSON COUNTY COMMUNITY COLLEGE
Transfer Program to Kansas State University
College of Engineering
Information Systems (124 hours)

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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. 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.

KSU Requirements			Johnson Co. Equivalents	
Communications (11-12 hours)				
ENGL	100	Expository Writing I	___	ENGL 121 Composition I*
ENGL	200	Expository Writing II	___	ENGL 122 Composition II
ENGL	516	Written Communication for Science		
COMM	105	Public Speaking IA -OR	___	SPD 121 Public Speaking
COMM	106	Public Speaking I		
*Must earn B or better or take BOTH ENGL 121 and 122 with a C or better.				

<p>Humanities & Social Sciences (18 hours) Required: ECON 110 Macroeconomics Electives: (15 hours) 1. _____ 2. _____ 3. _____ 4. _____ 5. _____</p>	<p>Required: _____ ECON 230 Principles of Macroeconomics</p> <p>*Other courses from the following departments: ANTH, ART, ENGL, FL, GEOS, HIST, MUS, PHIL, POLS, SOC, and THEA <i>MAY</i> apply as these electives.</p> <p>Select Electives to fit: </p> <p>*www.engg.ksu.edu/student-services Click on: Suggested Humanities & Social Sciences Courses</p>
<p>Quantitative Math (6 hours) MATH 205 General Calculus & Linear Algebra STAT 325 Elements of Statistics</p>	<p>_____ MATH 231 Business & Applied Calculus I _____ MATH 285 Stats for Business or MATH 181 Statistics</p>
<p>Natural Sciences (3 hours) 1. _____</p>	

Additional KSU Courses

CIS	115	Intro to Computer Science
CIS	125	Web Page Design
CIS	200	Fund of SW Design
CIS	225	Personal Computer Sys.
CIS	300	Data & Program Structure
CIS	308	C/C ++ Lang Lab
CIS	415	Computers & Society
CIS	501	Software Arch & Design
CIS	525	Tele/Data Comm. System
CIS	551	Computer Security
CIS	562	Enterprise Info System
CIS	595	IS Internship
CIS	597	IS Project
ECE	241	Intro to Computer Engineering

Credits

3
3
4
3
3
1
1
3
3
3
3
4
3
3

Johnson Co. Equivalency

CS 205
CS 250
CS 200

UNRESTRICTED ELECTIVES

27-28 hours

IS Specialization Electives

CIS	450	Computer Architecture and Op.	3
CIS	526	Web Interface Design	3
CIS	527	Enterprise Systems Admin	3

Communications Electives (9 hours from the following):

COMM	322	Interpersonal Communications	3	
COMM	326	Small Group Discussion Methods	3	
LEAD	212	Intro to Leadership	3	LEAD 130
MANGT	420	Management Concepts	3	
MKTG	400	Intro to Marketing	3	
THRE	261	Fundamentals of Acting	3	THEA 130
THRE	265	Fundamentals of Improv	3	

Environment Electives (9 hours):

Must be approved by a CIS advisor at K-State

Aesthetic Experience & Interpretive Understanding (BE, CE, CMPEN, CS, EE, IE, IS, ME: see table on p. 7 for additional information)

K-State Requirement	JCCC Equivalent	Credit Hours
ART 180 2D Design	ART 124 Design 2D	3
ART 190 Drawing 1	ART 130 Drawing 2D	3
ART 195 Survey Art History 1	ARTH 180 Art History, Ancient/Ren	3
ENGL 251 Intro To Literature	ENGL 130 Intro to Literature	3
ENGL 295 Selected Std/Engl	ENGL 205 Bible As Literature	3
ENGL 295 Selected Std/Engl	ENGL 215 Us Latino And Latina Literature	3
ENGL 295 Selected Std/Engl	ENGL 217 Literature By Women	3
ENGL 295 Selected Std/Engl	ENGL 223 Creative Writing	3
ENGL 295 Selected Std/Engl	ENGL 227 Intro to Poetry	3
ENGL 295 Selected Std/Engl	ENGL 230 Intro to Fiction	3
ENGL 295 Selected Std/Engl	ENGL 235 Drama As Literature	3
ENGL 295 Selected Std/Engl	ENGL 247 American Literature II	3
ENGL 295 Selected Std/Engl	ENGL 244 Literature of American Popular Music	3
ENGL 260 British Literature	ENGL 236 British Literature I	3
ENGL 260 British Literature	ENGL 237 British Literature II	3
ENGL 270 American Literature	ENGL 246 American Literature I	3
ENGL 287 Great Books	ENGL 250 World Masterpieces	3
MUSIC 220 Top/In Music	MUS 121 Intro to Music Listening	3
MUSIC 100 Music Fundamentals	MUS 123 Intro to Music Fundamentals	3
MUSIC 170 History Of Rock & Roll	MUS 128 History of Rock And Roll Music	3
MUSIC 210 Music Theory 1	MUS 141 Music Theory: Harmony I	3
MUSIC 280 L-D Ensb	MUS 151 Mixed Vocal Ensemble I	3
MUSIC 280 L-D Ensb	MUS 152 Mixed Vocal Ensemble II	3
MUSIC 280 L-D Ensb	MUS 153 Mixed Vocal Ensemble III	3
MUSIC 280 L-D Ensb	MUS 154 Mixed Vocal Ensemble IV	3
MUSIC-1:** & MUSIC 631 Tech Elect Mus Stu	MUS 157 Intro to Digital Audio	3
MUSIC 280 L-D Ensb	MUS 161 Chamber Choir I	3
MUSIC 280 L-D Ensb	MUS 162 Chamber Choir II	3
MUSIC 280 L-D Ensb	MUS 163 Chamber Choir III	3
MUSIC 280 L-D Ensb	MUS 164 Chamber Choir IV	3
MUSIC 323 L-D Composition	MUS 166 Music Composition II	3
MUSIC 323 L-D Composition	MUS 167 Music Composition III	3
MUSIC 103 Voice Class 1	MUS 169 Voice Class I	3
MUSIC 104 Voice Class 2	MUS 170 Voice Class II	3
MUSIC 280 L-D Ensb	MUS 176 Jazz Band I	3
MUSIC 280 L-D Ensb	MUS 177 Jazz Band II	3
MUSIC 280 L-D Ensb	MUS 178 Jazz Band III	3
MUSIC 280 L-D Ensb	MUS 179 Jazz Band IV	3
MUSIC 280 L-D Ensb	MUS 187 Jazz Improvisation I	3
MUSIC 280 L-D Ensb	MUS 188 Jazz Improvisation II	3
MUSIC 116 Concert Band	MUS 191 Concert Band I	3
MUSIC 116 Concert Band	MUS 192 Concert Band II	3
MUSIC 116 Concert Band	MUS 193 Concert Band III	3
MUSIC 116 Concert Band	MUS 194 Concert Band IV	3
MUSIC 280 L-D Ensb	MUS 195 Vocal Jazz Ensemble I	3

K-State Requirement	JCCC Equivalent	Credit Hours
MUSIC 280 L-D Ensb	MUS 196 Vocal Jazz Ensemble II	3
MUSIC 280 L-D Ensb		
MUSIC 280 L-D Ensb		
MUSIC 280 L-D Ensb	MUS 201 Chamber Ensemble I	3
MUSIC 280 L-D Ensb	MUS 202 Chamber Ensemble II	3
MUSIC 280 L-D Ensb	MUS 203 Chamber Ensemble III	3
MUSIC 280 L-D Ensb	MUS 204 Chamber Ensemble IV	3
MUSIC 130 Symphony Orchestra		
Music 130 Symphony Orchestra		
MUSIC 206 Piano Class 1	MUS 221 Piano Class I	3
MUSIC 206 Piano Class 1	MUS 222 Piano Class II	3
MUSIC 206 Piano Class 1	MUS 223 Piano Class III	3
MUSIC 255 Lower Div Perf	MUS 226 Applied Guitar I (Class)	3
MUSIC 255 Lower Div Perf	MUS 227 Applied Guitar II (Class)	3
MUSIC 255 Lower Div Perf	MUS 231 Applied Voice I (Private)	3
MUSIC 255 Lower Div Perf	MUS 232 Applied Voice II(Private)	3
MUSIC 255 Lower Div Perf	MUS 233 Applied Voice III (Private)	3
MUSIC 255 Lower Div Perf	MUS 234 Applied Voice IV(Private)	3
MUSIC 255 Lower Div Perf	MUS 236 Applied Piano I (Private)	3
MUSIC 255 Lower Div Perf	MUS 237 Applied Piano II(Private)	3
MUSIC 255 Lower Div Perf	MUS 238 Applied Piano III(Private)	3
MUSIC 255 Lower Div Perf	MUS 239 Applied Piano IV(Private)	3
MUSIC 255 Lower Div Perf	MUS 241 Applied Guitar I (Private)	3
MUSIC 255 Lower Div Perf	MUS 242 Applied Guitar II (Private)	3
MUSIC 255 Lower Div Perf	MUS 243 Applied Guitar III(Private)	3
MUSIC 255 Lower Div Perf	MUS 244 Applied Guitar IV(Private)	3
MUSIC 255 Lower Div Perf	MUS 246 Appl Classical Guitar I (Pri)	3
MUSIC 255 Lower Div Perf	MUS 247 Appl Classical Guitar II (Pri)	3
MUSIC 255 Lower Div Perf	MUS 248 Appl Classical Guitar III (Pri)	3
MUSIC 255 Lower Div Perf	MUS 249 Appl Classical Guitar IV(Pri)	3
MUSIC 255 Lower Div Perf	MUS 251 Applied Brass I (Private)	3
MUSIC 255 Lower Div Perf	MUS 252 Applied Brass II (Private)	3
MUSIC 255 Lower Div Perf	MUS 256 Appl Percussion I (Private)	3
MUSIC 255 Lower Div Perf	MUS 257 Appl Percussion II (Private)	3
MUSIC 255 Lower Div Perf	MUS 258 Appl Percussion III (Private)	3
MUSIC 255 Lower Div Perf	MUS 259 Appl Percussion IV(Private)	3
MUSIC 255 Lower Div Perf	MUS 261 Applied Woodwind I (Private)	3
MUSIC 255 Lower Div Perf	MUS 262 Applied Woodwind II(Private)	3
MUSIC 255 Lower Div Perf	MUS 263 Applied Woodwind III(Private)	3
MUSIC 255 Lower Div Perf	MUS 264 Applied Woodwind IV(Private)	3
THTRE 211 Run Crew	THEA 123 Improvisation for the Theater	3
THTRE 211 Run Crew	THEA 133 Technical Practicum I	3
THTRE 211 Run Crew	THEA 134 Performance Practicum	3
THTRE 211 Run Crew	THEA 233 Technical Practicum II	3
THTRE 211 Run Crew	THEA 234 Theatre Practicum	3
THTRE 260 Stage Movement	THEA 137 Movement For Stage	
THTRE 261 Fundamentals Acting	THEA 121 Fund of Acting	

K-State Requirement	JCCC Equivalent	Credit Hours
THTRE 261 Fundamentals Acting	THEA 130 Acting I	
THTRE 270 Intro to Theatre	THEA 120 Intro to Theatre	
All Foreign Language (Except Native Language)		
Ethical Reasoning and Responsibility (CE)		
K-State Requirement	JCCC Equivalent	Credit Hours
PHILO 100 Intro Philosophical Problems	PHIL 121 Intro to Philosophy	3
PHILO 115 Intro Philo Religion	PHIL 176 Philosophy of Religion	3
PHILO 130 Intro/Moral Philo		
PHILO 130 Intro/Moral Philo	PHIL 128 Environmental Ethics	3
PHILO 130 Intro/Moral Philo	PHIL 143 Ethics	3
THTRE 261 Fundamentals Acting	THEA 121 Fund Of Acting	3
THTRE 261 Fundamentals Acting	THEA 130 Acting I	3
GWSS 105 – Intro to Gender, Women and Sexuality Studies	WGS 201 Global Women’s Studies	3
Global Issues and Perspectives (IE)		
ANTH 200 Intro to Cultural Anthropology	ANTH 125 Cultural Anthropology	3
ECON 110 Prin/Macroeconomics	ECON 230 Prin of Macroeconomics	3
GEOG 100 World Regional Geography	GEOG 145 World Regional Geography	3
HIST 101 Rise of Europe	HIST 125 West Civ: to The Renaissance	3
HIST 102 The Modern Era	HIST 126 Western Civ: Scientific Revol	3
HIST 102 The Modern Era	HIST 130 European History Since 1789	3
HIST 111 World Hist to 1450	HIST 151 World History I: Trad World	3
HIST 112 World Hist From 1450	HIST 152 World History 2: Mod World	3
POLSC 110 Intro Pol Science	POLS 122 Political Science	3
POLSC 135 Intro Comp Politics	POLS 132 Intro to Comparative Government	3
All Foreign Language (Except Native Language)		
Historical Perspectives (BSE, CHE, CMPEN, CS, EE, IS, ME)		
ANTH 260 Intro Archaeology	ANTH 142 World Prehistory	3
ANTH260 Intro Archaeology	ANTH 144 Archeology	3
ENGL 260 British Literature	ENGL 236 British Literature I	3
ENGL 260 British Literature	ENGL 237 British Literature II	3
ENGL 270 American Literature	ENGL 246 American Literature I	3
ENGL 287 Great Books	ENGL 250 World Masterpieces	3
HIST 101 Rise of Europe	HIST 125 West Civ: to The Renaissance	3
HIST 102 The Modern Era	HIST 126 Western Civ: Scientific Revol	3
HIST 102 The Modern Era	HIST 130 European History Since 1789	3
HIST 111 World Hist to 1450	HIST 151 World History I: Trad World	3
HIST 112 World Hist From 1450	HIST 152 World History 2: Mod World	3
HIST 200 Top/History F & S	HIST 120 Local & Kansas History	3
HIST 200 Top/History F & S	HIST 129 Early Modern Europe 1500-1789	3
HIST 200 Top/History F & S	HIST 162 Modern Latin America	3
HIST 200 Top/History F & S	HIST 180 North American Indian History	3

K-State Requirement	JCCC Equivalent	Credit Hours
HIST 200 Topics in History for Freshmen & Sophomores	HIST 250 American West	3
HIST 251 History of the US to 1877	HIST 140 US History to 1877	3
HIST 252 History of the US Since 1877	HIST 141 US History Since 1877	3
MC 110 Mass Communication in Society	JOUR 120 Mass Media & Society	3
MUSIC 170 History of Rock & Roll	MUS 128 History of Rock and Roll Music	3
MUSIC 220 Topics in Music	MUS 121 Intro to Music Listening	3
PHILO 145 History/Intro/Philo	PHIL 142 History of Asian Philosophy	3
POLSC 115 US Politics	POLS 124 American National Gov't	3
THTRE 270 Intro to Theatre	THEA 120 Intro to Theatre	3
THTRE 270 Intro to Theatre	THEA 232 Play Reading & Production	3
Human Diversity within the U.S. (ARE, BSE, CE, CHE, CMPEN, CNSM, CS, EE, IS, ME)		
ANTH 220 Intro to Linguistic Anthropology	ANTH 165 Linguistic Anthropology	3
ENGL 270 American Literature	ENGL 246 American Literature I	3
HIST 251 History of the US to 1877	HIST 140 US History to 1877	3
HIST 252 History of the US Since 1877	HIST 141 US History Since 1877	3
LEAD 212 Intro to Leadership Concepts	LEAD 130 Leadership & Civic Engagement	3
FSHS 110 Intro Human Development	PSYC 218 Human Development	3
SOCIO 211 Intro to Sociology	SOC 122 Intro To Sociology	3
GWSS 105 Intro to Gender, Women and Sexuality Studies	WGS 201 Global Women's Studies	3
300 Level and Higher		
Aesthetic Experience & Interpretive Understanding (BSE, CE, CHE, CMOEN, CS, EE, IE, IS, ME)		
ART 345 Intro to Oil Painting	ART 135 Painting I	3
ART 365 Ceramics I	ART 142 Ceramics I	3
ART 340 Sculpture I	ART 145 Sculpture I	3
ART 370 Metalsmithing I	ART 148 Metal & Silversmithing I	3
ART 320 Water Media I	ART 172 Watercolor Painting	3
ART 325 Figure Drawing I	ART 231 Life Drawing I	3
ART 395 Photography In Art I	PHOT 121 Fundamentals Of Photography	3
MC 331 Digital Photography for Mass Media	JOUR 145 Photojournalism	3
THTRE 361 Intermediate Acting	THEA 230 Acting II	3
All Foreign Language Course 300 or Higher (except native language)		
Ethical Reasoning and Responsibility (CE)		
PHILO 365 Medical Ethics	PHIL 155 Bioethics	3
SOCIO 360 Social Problems	SOC 125 Social Problems	3
THTRE 361 Intermediate Acting	THEA 230 Acting II	3
Global Issues and Perspectives (IE)		
HIST 330 History of East Asian Civilizations	HUM 165 Introduction to Chinese Culture	3
POLSC 333 World Politics	POLS 135 International Relations	3
COMM 480 Intercultural Communication	SPD 180 Intercultural Communication	3

K-State Requirement	JCCC Equivalent	Credit Hours
Historical Perspectives (BSE, CHE, CMPEN, CS, EE, IE, IS, ME)		
HIST 330 History of East Asian Civilizations	HUM 165 Intro to Chinese Culture	3
HIST 331 Introduction to Japan	HUM 167 Intro to Japanese Culture	3
PHILO 300 History of Ancient Philosophy	PHIL 154 History of Ancient Philosophy	3
PHILO 301 History of Philosophy	PHIL 210 History of Modern Philosophy	3
POLSC 321 Kansas Politics and Government	POLS 126 State & Local Government	3
Human Diversity within the U.S. (ARE, BSE, CE, CHE, CMPEN, CNSM, CS, EE, IS, ME)		
SOCIO 361 Criminal Justice Systems	ADMJ 121 Intro to Admin of Justice	3
SOCIO 432 Community Organization & Leadership	SOC 240 Sociology of Community	3
COMM 322 Interpersonal Communication	SPD 120 Interpersonal Communication	3
COMM 480 Intercultural Communication	SPD 180 Intercultural Communication	3

ARE	Architectural Engineering
BSE	Biological and Agricultural Engineering
CE	Civil Engineering
CHE	Chemical Engineering
CMPEN	Computer Engineering
CNSM	Construction Science and Management
CS	Computer Science
EE	Electrical Engineering
IE	Industrial Engineering
ME	Mechanical Engineering