



Matriculation Guide Into Information Systems from Johnson County Community College

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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 practiced orientated while firmly rooted in fundamentals, learning-based, and integrative and holistic. Coursework in the following areas are included:

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

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 one 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 towards engineering degree requirements.

Admission

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.ksu.edu/admit/application.html and have complete official transcripts from all previous college sent directly to the Office of Admissions, Kansas State University, 119 Anderson Hall, Manhattan, KS 66506-0102.

Kansas State University General Education Requirements

The University General Education (UGE) requirements are <u>defined using only K-State courses</u> , and students must complete a minimum number of K-State UGE credit hours based on the total number of completed transfer and advanced placement credit hours (AP, IB, CLEP, etc.) accepted by K-State.	<u>Number of Completed Transfer or Advanced Credit Accepted by K-State</u>	<u>Minimum University General Education Credit Hours to be Taken at K-State</u>
	0-7	18*
	8-29	12*
	30-44	9*
	45 or more	6*

Pre-engineering Program for Students Matriculating from Johnson County Community College

Information Systems at KSU (124 credit hours for B.S. degree)

First Semester

MATH 205	Gen. Calc. & Lin. Alg.	3
BIOL 198	Prin. of Biol.	4
ENGL 100	Expository Writing I**	3
SPCH 105	Public Speaking IA	2
EECE 241	Intro. Comp. Engg.	3

Second Semester

MATH 312	Finite App. of Math	3
ENGL 200	Expository Writing II	3
ECON 110	Prin. of Macroeconomics	3
CIS 200	Fund. Cmptr. Prog.	4

Third Semester

STAT 325	Elem. of Statistics	3
	Life or Physical Sci w/pre-req.	4-5
CIS 501	Software Arch.	3
ACCTG 231	Acctg for Bus. Oper.	3
CIS 300	Algo. & Data Structures	3
CIS 301	Logical Fn. of Prog.	3

Technical Elective

JCCC Courses

First Semester

MATH 231	Bus. & App. Calc. I	3
BIOL 122 & 123	Prin. of Biol. & Lab. <u>or</u>	
BIOL 135	Prin. Cell/Molecular Biol.	4
ENGL 121	Composition I	3
SPD 121	Public Speaking	2 of 3
ELEC 125	Digital Electronics I	3 of 4

Second Semester

CS 210	Discrete Structures I	3
ENGL 122	Composition II	3
ECON 230	Economics I	3
CS 205	Conc. of Prog. Alg. w/Java	4

Third Semester

MATH 181	Statistics	3
	Life or Physical Sci w/pre-req.	4-5
	<i>none available</i>	3
ACCT 121	Acct I	3
CS 255	Basic Data Struc. w/Java	3 of 4
	<i>none available</i>	

(Continued)

Pre-engineering Program for Students Matriculating from Johnson County Community College (cont')

Information Systems at KSU

Fourth Semester

	Life or Physical Sci.	4-5
CIS 450	Computer Arch. & Org.	3
CIS 362	Inro to Bus Prog	3
	Technical Elective	3

JCCC Courses

Fourth Semester

	Life or Physical Sci.	4-5
CIS 145	Assembler Lang	3
CIS 148	COBOL I	3
	Technical Elective	3

Credits Applied

* Humanities/SS electives must be taken from the list approved by the College of Engineering and must include 9 hours selected from two of the following departments: English, History, Modern Languages, and Philosophy.

FREE ELECTIVES (up to 10 credit hours depending on number of other credits applied but cannot be prerequisite courses to required courses.)

TECHNICAL ELECTIVES (12 credit hours from the following business course list)

KSU Course

FINAN 450	Intro. to Finance	3
MANGT 366	Mangement of Info Systems	3
MANGT 420	Mgmt. Conc.	3
MANGT 421	Intro Operational Management	3
MKTG 400	Marketing	3
PSYCH 425	Prob. Solving & Dec Making	3
PSYCH 560	Industrial Psych.	3

JCCC Course

	<i>(none available)</i>	
	<i>(none available)</i>	
BUS 141	Prin. of Mgmt	3
	<i>(none available)</i>	
BUS 230	Marketing	3
	<i>(none available)</i>	
	<i>(none available)</i>	