

Haskell Indian Nations University

Transfer Program to University of Kansas

B.S. Engineering Physics

(Aerospace Systems, Chemical Systems, Digital Electronic Systems, Electromechanical Control Systems)

Number to call at KU for advising: (785) 864-4626

Website: www.physics.engr.ku.edu

Transfer students must have at least a 2.5 GPA and proof of competency in calculus.

Requirements (all students):

Aerospace Systems:

KU Course Requirements

Haskell Equivalents

MATHEMATICS					Core
MATH 125 Calculus	4		MATH 221 Calculus and Analytical Geometry	5	GE12
MATH 126 Calculus 2	4		MATH 222 Calculus and Analytical Geometry 2	5	
MATH 127 Calculus 3	4		No equivalent		
MATH 290 Elementary Linear Algebra	2		No equivalent		
MATH 220 Differential Equations	3		MATH 227 Differential Equations	4	

NATURAL SCIENCES				Core
PHSX 211 & 216 Engineering Physics	5		PHYS 211 College Physics	5 GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4		PHYS 212 College Physics 2	5 GE3N
CHEM 130 Chemistry	5		CHEM 101 General Chemistry	5 GE12, GE3N

Chemical Systems:

KU Course Requirements

Haskell Equivalents

MATHEMATICS					Core
MATH 125 Calculus	4		MATH 221 Calculus and Analytical Geometry	5	GE12
MATH 126 Calculus 2	4		MATH 222 Calculus and Analytical Geometry 2	5	
MATH 127 Calculus 3	4		No equivalent		
MATH 290 Elementary Linear Algebra	2		No equivalent		

NATURAL SCIENCES				Core
PHSX 211 & 216 Engineering Physics	5		PHYS 211 College Physics	5 GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4		PHYS 212 College Physics 2	5 GE3N
CHEM 130 Chemistry	5		CHEM 101 General Chemistry	5 GE12, GE3N
CHEM 135 Chemistry 2	5		CHEM 102 General Chemistry 2	5 GE3N, GE12
CHEM 330 & 331 Organic Chemistry	5		No equivalent	

Digital Electronic Systems:

KU Course Requirements

Haskell Equivalents

MATHEMATICS					Core
MATH 125 Calculus	4		MATH 221 Calculus and Analytical Geometry	5	GE12
MATH 126 Calculus 2	4		MATH 222 Calculus and Analytical Geometry 2	5	
MATH 127 Calculus 3	4		No equivalent		
MATH 290 Elementary Linear Algebra	2		No equivalent		
MATH 220 Differential Equations	3		MATH 227 Differential Equations	4	

NATURAL SCIENCES				Core
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PHSX 211 & 216 Engineering Physics	5	PHYS 211 College Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4	PHYS 212 College Physics 2	5	GE3N
CHEM 130 Chemistry	5	CHEM 101 General Chemistry	5	GE12, GE3N

Electromechanical Control Systems:**KU Course Requirements****Haskell Equivalents**

MATHEMATICS				Core
MATH 125 Calculus	4	MATH 221 Calculus and Analytical Geometry	5	GE12
MATH 126 Calculus 2	4	MATH 222 Calculus and Analytical Geometry 2	5	
MATH 127 Calculus 3	4	No equivalent		
MATH 290 Elementary Linear Algebra	2	No equivalent		
MATH 220 Differential Equations	3	MATH 227 Differential Equations	4	

NATURAL SCIENCES				Core
PHSX 211 & 216 Engineering Physics	5	PHYS 211 College Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics		PHYS 212 College Physics 2	5	GE3N
CHEM 130 Chemistry	5	CHEM 101 General Chemistry	5	GE12, GE3N

KU Core Curriculum (additional requirements not covered by degree requirements)

Additional courses that satisfy the KU Core are continuously updated and available at <http://kucore.ku.edu/courses>.

KU Course Requirements**Haskell Equivalents**

Goal 2: Communication (3 Units) –two from outcome 1 and one from outcome 2				
Outcome 1			GE21	
ENGL 101 Composition	3	ENGL 101 English		3
ENGL 102 Critical Reading and Writing	3	ENGL 102 English 2		3
ENGL 211 Intro to Drama	3	THEA 203 Intro Dramatic Literature		3
HWC 204 Western Civilization I	3	HIST 110 Western Civilization		3
Outcome 2			GE22	
COMS 130 Speaker-Audience Communication	3	COMS 131 Public Speaking		3
		COMS 151 Speech Communication		3

Goal 3: Breadth of Knowledge (3 Units) –one from each category				
Arts & Humanities			GE3H	
		ENGL 210 Themes and Issue in Literature		3
		ENGL 212 American Indian Literature		3
		ENGL 221 Fiction Writing		3
		ENGL 310 Short Fiction		3
		ENGL 311 Literature of American West		3
ENGL 211 Intro to Drama	3	THEA 203 Int Drama Literature		3
		AIS 346 Philosophy in Indigenous Literature		3
		AIS 350 Foundations of Indigenous Philosophy		3
THR 100 Intro to Theatre	3	THEA 100 Intro to Theatre		3
THR 106 Intro to Acting	3	THEA 106 Acting		3
HA 150 Western Art History	3	ART 240 Art History		3
ART 101 Drawing I	3	ART 110 Drawing I		3
HIST 128 Hist US thrg h Civil War	3	HIST 101 US History before Civil War		3
HIST 129 Hist of US After Civil War	3	HIST 102 US History since Civil War		3
	3	HIST 221 World Civilizations		3
		HIST 222 World Civilizations 2		3
HSES 244 Intro PE and Sport Studies	3	HSES 102 Intro to Health, Sport and Exercise Science		3
Social Sciences			GE3S	
COMS 244 Intr Personal Comm	3	COMS 226 Interpersonal Communication		3
ECON 142 Princ of Microeconomics	3	ECON 201 Princ of Microeconomics		3
ECON 144 Princ of Macroeconomics	3	ECON 202 Princ of Macroeconomics		3

PSYC 104 General Psychology	3		PSYC 101 General Psychology	3
SOC 104 Elements of Sociology	3		SOC 101 Intro to Sociology	3
METL 211 Jewelry	3		ART 150 Silverworking Techniques	3
JOUR 101 Media and Society	3		MCM 231 Intro to Mass Communication	3
SW 220 Soc Work, Soc Welfare and US Society	3		SW 201 Social Welfare and Society	3
			SW 110 Chemical Dependency and the Native American	3
SOC 220 Sociology of Families	3		SOC 201 Marriage and Family	3

Goal 4: Culture and Diversity (1 Unit from each outcome)

Outcome 1		AE41	
SOC 160 Intro to Social Problems	3	SOC 102 Social Problems	3
SOC 220 Sociology of Families	3	SOC 201 Marriage and Family	3
SOC 104 Elements of Sociology	3	SOC 101 Intro to Sociology	3
Outcome 2		AE42	
GEOG 100 World Regional Geography	3	GEOG 110 World Geography	3
HWC 204 Western Civilization I	3	HIST 10 Western Civ	3
HWC 205 Western Civilization II	3	HIST 112 Western Civ 2	3
HA 150 Western Art History I	3	ART 240 Art History I	3
		AIS 102 American Indian Issues	3
		AIS 110 Hist Native American Tribes	3
		AIS 312 American Indian Exp 20 th C	3
		AIS 321 Human Behav American Indian	3
		AIS 340 American Indian Poet	3
		AIS 341 American Indian Narratives	3
		AIS 343 American Indian Film	3
		AIS 344 American Indian Literature	3
		AIS 346 Philosophy in Indigenous Literature	3
		AIS 350 Foundations of Indigenous	3
		AIS 352 American Indian Drama	3
		AIS 410 American Indian Literature	3
		AIS 411 American Indian Literature	3
		TMGM 101 Intr Tribal Mgmt	3
		TMGM 201 Tribal/Federal Government	3
		TMGM 321 Indian Law and Legislation	3
		TMGM 330 Fund Tribal Sover	3
		TMGM 410 Tribal Resor/Econ Dev	3
		SW 110 Chemical Dependency and the Native American	3
		ENGL 212 American Indian Literature	3

- In order to graduate in four years, a student must transfer to KU after one year
- Pass/Fail Policy. Only courses used to fulfill English, Humanities, and Social Science requirements will be accepted with a "P" grade
- *PHSX 211 satisfies the PHSX 210 requirement for Engineering at KU
- "S" before a number (Ex. MATH S365) indicates the course will be satisfied but will not count toward the number of Junior/Senior (upper-level) hours required for graduation
- The requirements listed above are subject to annual change
- A maximum of 64 hours of community college course work can be applied toward a KU degree
- Courses with a grade of D or below do not transfer