

Haskell Indian Nations University

Transfer Program to University of Kansas

B.S. Electrical Engineering & Computer Science

(Computer Engineering, Computer Science, Electrical Engineering, Information Technology (Edward Campus only) and Interdisciplinary Computing)

Number to call at KU for advising: (785) 864-4487

Website: www.eecs.ku.edu

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

Requirements (all students):

Computer Engineering:

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 220 Differential Equations	3		MATH 227 Differential Equations	4
MATH 290 Elementary Linear Algebra	2		No equivalent	

ECONOMICS & electives

Core

Choose One:				
ECON 142 Princ of Microeconomics	3		ECON 201 Princ of Microeconomics	3 GE3S
ECON 144 Princ of Macroeconomics	3		ECON 202 Princ of Macroeconomics	3 GE3S
Electives-12 hours total of Humanities & Social Science (must be GE3H, AE41, AE42 + one extra GE3H or GE3S)				

NATURAL SCIENCES

Core

PHSX 211 & 216 Engineering Physics	5		PHYS 211 College Physics	5 GE3N, GE11, GE12
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Computer Science:

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	

Humanities & Social Science electives

Core

Electives-12 hours total of Humanities & Social Science (must include 2 GE3H and 2 GE3S)				
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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
Choose One:				
CHEM 130 Chemistry	5		CHEM 101 General Chemistry	5 GE12, GE3N
CHEM 135 Chemistry 2	5		CHEM 102 General Chemistry 2	5 GE12, GE3N
GEOG 104 & 105 Princ Physic Geography			No equivalent	GE3N
GEOL 101 How the World Works	3		No equivalent	GE3N

Electrical Engineering:

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 220 Differential Equations	3	MATH 227 Differential Equations	4	
MATH 290 Elementary Linear Algebra	2	No equivalent		

ECONOMICS & electives				Core
Choose One:				
ECON 142 Princ of Microeconomics	3	ECON 201 Princ of Microeconomics	3	GE3S
ECON 144 Princ of Macroeconomics	3	ECON 202 Princ of Macroeconomics	3	GE3S
Electives-12 hours total of Humanities & Social Science (must be GE3H, AE41, AE42 + one extra GE3H or GE3S)				

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

Information Technology:

KU Course Requirements

Haskell Equivalents

MATHEMATICS				Core
MATH 101 College Algebra	3	MATH 101 College Algebra	3	GE12
OR				
MATH 104 Precalculus Mathematics	5	MATH 104 Precalculus	5	GE12
MATH S365 Elementary Statistics	3	MATH 207 Statistics	3	GE12

ECONOMICS & electives				Core
ECON 104 Intro to Economics	3	No equivalent		GE3S
ENGL 362 Technical Writing	3	No equivalent		

NATURAL SCIENCES-Choose one				Core
PHSX 211 & 216 Engineering Physics	5	PHYS 211 College Physics	5	GE3N, GE11, GE12
CHEM 130 Chemistry	5	CHEM 101 General Chemistry	5	GE12, GE3N
BIOL 150 Prn Molecular/Cellular	5	BIOL 121 Princ of Molecular & Cellular Biology	5	GE3N

Interdisciplinary Computing-Astronomy:

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
ASTR 191 Contemporary Astronomy	3	No equivalent		GE3N

Interdisciplinary Computing-Biology:

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
CHEM 130 Chemistry	5	PHYS 211 College Physics	5	GE3N, GE12
CHEM 135 Chemistry 2	5	PHYS 212 College Physics 2	5	GE3N, GE12
BIOL 150 Prn Molecular/Cellular	5	BIOL 121 Princ of Molecular & Cellular Biology	5	GE3N
BIOL 152 Princ of Organismal Biology	5	BIOL 122 Princ of Organismal Biology	5	GE3N

ETHICS				Core
PHIL 160 Intro to Ethics	3	No equivalent		AE51, GE11, GE3H

Interdisciplinary Computing-Chemistry:**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
CHEM 130 Chemistry	5	CHEM 124 & 125 General Chemistry	5	GE3N, GE12
CHEM 135 Chemistry 2	5	CHEM 131 & 132 General Chemistry 2	5	GE3N, GE12
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 330 & 331 Organic Chemistry	5	No equivalent		

Interdisciplinary Computing-Geography:**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

Interdisciplinary Computing-Physics:**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 220 Differential Equations	3	MATH 227 Differential Equations	4
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	5	PHYS 212 College Physics 2	5	GE3N

Interdisciplinary Computing-Journalism:

KU Course Requirements

Haskell Course 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		

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 1: Critical Thinking and Quantitative Literacy (1 Unit from each outcome)				
Only Interdisciplinary Computing (Geography and Journalism needs to take one of these courses)				
Outcome 1			GE11	
HWC 204 Western Civilization	3	HIST 110 Western Civilization		3
HWC 205 Western Civilization 2	3	HIST 112 Western Civilization		3
ENGL 211 Intro to Drama	3	THEA 203 Int Drama Literature		3
SOC 104 Elements of Sociology	3	SOC 101 Intro to Sociology		3
SOC 160 Social Problems/American Values	3	SOC 102 Social Problems		3
Coms 235 Intro to Rhetoric and Social Influence	3	SOC 276 Persuasion/Social Influence		3
PHSX 211 General Physics I	4	PHYS 211 College Physics		5

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 thrgh 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