

Highland Community College

Transfer Program to University of Kansas

Architecture, Civil and Environmental Engineering

Number to call at KU for advising: (785) 864-3766

Website: <http://www.engr.ku.edu/departments/>

Timely completion of prerequisite courses is imperative due to tight sequencing of major courses. Consult the KU catalog and seek KU advising early.

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

Requirements (all students):

Architectural Engineering:

KU Course Requirements

Highland Equivalents

ENGLISH (2 courses)				Core
ENGL 101 Composition	3	ENG 101 College English I	3	GE21
ENGL 102 Critical Reading and Writing	3	ENG 102 College English II	3	GE21

MATHEMATICS				Core
MATH 125 Calculus	4	MAT 106 Calculus	5	GE12
MATH 126 Calculus 2	4	MAT 110 Calculus 2	5	
MATH 127 Calculus 3	4	MAT 201 Calculus 3	3	
MATH 220 Differential Equations	3	No equivalent		
MATH 290 Elementary Linear Algebra	2	No equivalent		

NATURAL SCIENCES				Core
PHSX 211 & 216 Engineering Physics	5	PS 215 College Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4	PS 216 College Physics 2	5	GE3N
CHEM 130 Chemistry	5	PS 111 College Chemistry	5	GE12, GE3N

COMMUNICATION				Core
COMS 130 Public Speaking	3	SP 106 Public Speaking	3	GE22

Civil Engineering:

KU Course Requirements

Highland Equivalents

ENGLISH (2 courses)				Core
ENGL 101 Composition	3	ENG 101 College English I	3	GE21
ENGL 102 Critical Reading and Writing	3	ENG 102 College English II	3	GE21

MATHEMATICS				Core
MATH 125 Calculus	4	MAT 106 Calculus	5	GE12
MATH 126 Calculus 2	4	MAT 110 Calculus 2	5	
MATH 127 Calculus 3	4	MAT 201 Calculus 3	3	
MATH 220 Differential Equations	3	No equivalent		
MATH 290 Elementary Linear Algebra	2	No equivalent		

NATURAL SCIENCES				Core
PHSX 211 & 216 Engineering Physics	5	PS 215 College Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4	PS 216 College Physics 2	5	GE3N
CHEM 130 Chemistry	5	PS 111 College Chemistry	5	GE12, GE3N

CHEM 135 Chemistry 2	5	PS 112 College Chemistry 2	5	GE3N
Choose One:				
CHEM S330 & S331 Organic Chemistry	5	PS 210 Organic Chemistry 1	5	
GEOL 101 How the World Works	3	PS 104 General Geology (must take lab at KU)	5	GE3N

COMMUNICATION				Core
COMS 130 Public Speaking	3	SP 106 Public Speaking	3	GE22

ECONOMICS -Choose one:				Core
ECON 142 Princ of Microeconomics	3	BUS 204 Microeconomics	3	GE3S
ECON 144 Princ of Macroeconomics	3	BUS 203 Macroeconomics	3	GE3S

Civil Engineering (Environmental Concentration):

KU Course Requirements

Highland Equivalents

ENGLISH (2 courses)				Core
ENGL 101 Composition	3	ENG 101 College English I	3	GE21
ENGL 102 Critical Reading and Writing	3	ENG 102 College English II	3	GE21

MATHEMATICS				Core
MATH 125 Calculus	4	MAT 106 Calculus	5	GE12
MATH 126 Calculus 2	4	MAT 110 Calculus 2	5	
MATH 127 Calculus 3	4	MAT 201 Calculus 3	3	
MATH 220 Differential Equations	3	No equivalent		
MATH 290 Elementary Linear Algebra	2	No equivalent		

NATURAL SCIENCES				Core
PHSX 211 & 216 Engineering Physics	5	PS 215 College Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4	PS 216 College Physics 2	5	GE3N
Choose One:				
BIOL 200 Microbiology	3	BS 203 Microbiology	5	GE3N
ATMO 105 Meteorology	5	No Equivalent		GE3N
GEOL 101 How the World Works	3	PS 104 General Geology (must take lab at KU)	3	GE3N

COMMUNICATION				Core
COMS 130 Public Speaking	3	SP 106 Public Speaking	3	GE22

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

Highland Equivalents

Goal 3: Breadth of Knowledge (3 Units) -one from each category				
Arts & Humanities (Not needed for Arch. Eng.)			GE3H	
HA 150 History of Western Art	3	A 201 Art History		3
		A 101 Art Appreciation		3
ART 101 Drawing I	3	A 107 Drawing I		3
ANTH 110 Intro to Archaeology	3	ANT 100 Intro to Archaeology		3
		ENG 202 American Literature I		3
		ENG 207 Narrative Film		3
		ENG 208 Intro To The Short Story		3
		ENG 209 American Literature II		3
		ENG 210 World Literature I		3

		ENG 211 World Literature II	3
		ENG 212 English Literature I	3
		ENG 213 English Literature II	3
		ENG 205 Old Testament Literature	3
		M 103 Music History and Appreciation	3
		M 223 History of Jazz	3
HSES 244 Physical Ed and Sport Studies	3	PE 123 Principles of Education	3
HSES 244 Physical Ed and Sport Studies	3	PE 111 History/Principles of Physical Education	3
		PHI 105 Religions Of The World	3
PHIL 140 Intro to Philosophy	3	PHI 101 Introduction To Philosophy	3
PHIL 160 Intro to Ethics	3	PHI 102 Intro to Ethics	3
PHMD 101 Fundamentals of Photography	3	PHO 101 Basic Photography	3
THR 100 Intro to Theatre	3	TH 105 Intro To Dramatics	3
		TH 108 History & App Of Theatre Arts	3
THR 106 Intro to Acting	3	TH 110 Acting I	3
HIST 128 Hist US thrgh Civil War	3	HIS 101 United States History I	3
HIST 129 Hist of US After Civil War	3	HIS 102 United States History II	3
Social Sciences (Not needed for Civil Engineering)		GE3S	
COMS 244 Intr Personal Comm	3	SP 105 Interpersonal Communication	3
ECON 142 Princ of Microeconomics	3	BUS 204 Microeconomics	3
SOC 110 American Identities	3	SOC 106 Diversity and Inclusiveness	3
ECON 144 Princ of Macroeconomics	3	BUS 203 Macroeconomics	3
POLS 110 Intro to US Politics	3	POL 100 United States Government	3
EPSY S305 Dev and Learning of Young Child	3	PSY 202 Child Psychology	3
	3	PSY 205 Human Growth & Development	3
PSYC 104 General Psychology	3	PSY 101 General Psychology	3
SOC 104 Elements of Sociology	3	SOC 101 General Sociology	3
	3	POL 101 Intro To Political Science	3
ANTH 100 General Anthropology	3	ANT 112 General Anthropology	3
SOC 220 Sociology of Families	3	SOC 102 Marriage and the Family	3
SW Social Work, Soc Welfare in US Society	3	SOC 104 Intro to Social Work	3

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

Outcome 1		AE41	
SOC 160 Intro to Social Problems	3	SOC 210 Social Problems	3
SOC 110 American Identities	3	SOC 106 Diversity and Inclusiveness	3
SOC 104 Elements of Sociology	3	SOC 101 General Sociology	3
Outcome 2 (Not needed for Arch. Eng.)		AE42	
HA 150 History of Western Art	3	A 201 Art History	3
ANTH 100 General Anthropology	3	ANTH 112 General Anthropology	3
GEOG 100 World Regional Geography	3	GEO 212 World Regional Geography	3
		M 162 World Music	3
		PHI 105 Religions Of The World	3
HWC 204 Western Civilization	3	HIS 204 or 103 Readings in Western Civ	3
HWC 205 Western Civilization 2	3	HIS 205 Readings in Western Civ 2	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