

# Dodge City Community College

## Transfer Program to University of Kansas

### B.S. in Aerospace Engineering

Number to call at KU for advising: (785) 864-4267

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

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.

## Aerospace Engineering Requirements:

### **KU Course Requirements**

### **Dodge City Equivalents**

<b>ENGLISH (2 courses)</b>				<b>Core</b>
ENGL 101 Composition	3		ENG 102 or 150 English Composition	3 GE21
ENGL 102 Critical Reading and Writing	3		ENG 103 or 151 English Composition 2	3 GE21

<b>MATHEMATICS</b>				<b>Core</b>
MATH 125 Calculus	4		MATH 120 Analytic Geom & Calc	5 GE12
MATH 126 Calculus 2	4		MATH 221 Analytic Geom & Calc 2	5
MATH 127 Calculus 3	4		MATH 222 Analytic Geom & Calc 3	5
MATH 290 Elementary Linear Algebra	2		No equivalent	
MATH 220 Differential Equations	3		No equivalent	

<b>NATURAL SCIENCES</b>				<b>Core</b>
PHSX 211 & 216 Engineering Physics	5		PHYS 231 Engineering Physics	5 GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics			PHYS 233 Engineering Physics 2	5 GE3N
CHEM 130 Chemistry	5		CHEM 111 or 211 College Chem	5 GE12, GE3N

<b>ECONOMICS- Choose one</b>				<b>Core</b>
ECON 142 Princ of Microeconomics	3		ECON 102 Prin Of Econ : Microecon	3 GE3S
ECON 144 Princ of Macroeconomics	3		ECON 101 Prin Of Econ : Macroecon	3 GE3S

### **Humanities and Social Sciences depth requirement:**

When Choosing Core Courses **TWO** courses must be from the same KU Department. This can be accomplished within the core outcomes: **GE3H, GE3S, AE41 and AE42**. For example: *PHIL 160 (AE41) and PHIL 140 (GE3H)*

### **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**

### **Dodge City Equivalents**

<b>Goal 2: Communication (3 Units) -two from outcome 1 and one from outcome 2</b>				
<b>Outcome 1</b>			<b>GE21</b>	
ENGL 101 Composition	3		ENG 102 or 150 English Composition	3
ENGL 102 Critical Reading and Writing	3		ENG 103 or 151 English Composition 2	3
<b>Outcome 2</b>			<b>GE22</b>	
COMS 130 Speaker-Audience Communication	3		SP 106 Public Speaking	3

<b>Goal 3: Breadth of Knowledge (3 Units) -one from each category</b>				
<b>Arts &amp; Humanities</b>			<b>GE3H</b>	
			ART 101 Art Appreciation	3
ART 101 Drawing I			ART 110 Drawing I	3
PHMD 101 Fundamentals of Photography	3		ART 117 Photography I	3-4

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	3	ENG 206 World Literature	3
		ENG 204 English Literature	3
		ENG 205 English Literature 2	3
		ENG 209 American Literature	3
		ENG 210 American Literature	3
		RS 101 Old Testament Survey	3
HA 150 Western Art History I	3	ART 150 Survey of Art History	3
		RS 102 New Testament Survey	3
PHIL 140 Intro to Philosophy	3	PHIL 201 Intro To Philosophy	3
PHIL 160 Intro to Ethics	3	PHIL 202 Intro to Ethics	3
		ART 132 History and Criticism of Art	3
		HIST 120 World History to 1500	3
		HIST 121 World History from 1500	
HIST 128 Hist US thrgh Civil War	3	HIST 101 American History	3
HIST 129 Hist of US After Civil War	3	HIST 102 American History 2	3
HSES 244 Intro to Phys Ed and Sport Studies	3	PE 114 Intro Health, PE and Recreation	3
<b>Social Sciences</b>		<b>GE3S</b>	
COMS 244 Interpersonal Communication	3	SP 206 Interpersonal Communication	3
EPSY S305 Intro Child Behavior/Development	3	ECE 105 Child Growth & Development	3
ECON 142 Princ of Microeconomics	3	ECON 102 Prin Of Econ : Microecon	3
ECON 144 Princ of Macroeconomics	3	ECON 101 Prin Of Econ : Macroecon	3
METL 211 Intro to Jewelry/Metalsmithing	3	ART 114 Metalsmithing Jewelry	3
POLS 110 Intro to US Politics	3	GOV 101 American Natl Government	3
PSYC 104 General Psychology	3	PSY 101 General Psychology	3
JOUR 101 Media and Society	3	MC 110 Mass Media	3
SOC 104 Elements of Sociology	3	SOC 101 Principles Of Sociology	3
SOC 160 Intro to Social Problems	3	SOC 201 Social Problems	3
		SOC 202 Race & Ethnic Relations	3
ANTH 100 General Anthropology	3	ANTH 111 Anthropology	3
		PSY 102 Human Growth & Development	3
SOC 220 Sociology of Families	3	SOC 203 Sociology of Families	3
SW 220 Social Work, Social Welfare and Society	3	SW 201 <b>AND</b> 202 Intro to Social Work	6

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

<b>Outcome 1</b>		<b>AE41</b>	
SOC 104 Elements of Sociology	3	SOC 101 Principles Of Sociology	3
SOC 160 Intro to Social Problems	3	SOC 201 Social Problems	3
SOC 220 Sociology of Families	3	SOC 203 Sociology of Families	3
MUSC 298 Introduction to Jazz	3	MUS 225 A Study of Jazz	3
<b>Outcome 2</b>		<b>AE42</b>	
		ENG 206 World Literature	3
GEOG 100 World Regional Geography	3	GEO 101 Geography	3
SPAN 212 Intermediate Spanish	3	LANG 203 Intermediate Spanish	3
SPAN 216 Intermediate Spanish 2	3	LANG 204 Intermediate Spanish 2	3
GERM 104 Elementary German	5	LANG 120 Elementary German	3
GERM 108 Elementary German 2	5	LANG 121 Elementary German 2	3
ANTH 100 General Anthropology	3	ANTH 111 Anthropology	3
HA 150 Western Art History	3	ART 150 Survey of Art History	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