

## K-State at Salina and Independence Community College

### BS in Engineering Technology, Mechanical Engineering Technology Option CONSULT WITH INDEPENDENCE COLLEGE ADVISOR OR ET DEPART. FOR TRANSFER GUIDE UPD

#### Freshman Fall Semester

K-State at Salina ETA-MT Courses		Credit hours	Independence Community College Courses		Credit Hours
MET 111	Technical Graphics	3	DDT1003	Engineering Graphics I	3
MET 121	Manufacturing Methods	3	DDT 1023	Manufacturing Processes/Materials	3
MATH 100	College Algebra	3	MAT1023	College Algebra	3
MATH 151	Applied Plane Trigonometry	2	MAT1093	Plane Trigonometry (2/3)	2
CMST110	Introduction to Visual Basic	3	EDP1003	Basic	3
ENGL 100	Expository Writing I	3	ENG1003	English Composition I	3
ETA 020	Engineering Technology Seminar	0		Waived for students with >=30 cr. hrs.	
TOTAL:		17	TOTAL:		17

#### Freshman Spring Semester

K-State at Salina ETA-MT Courses		Credit hours	Independence Community College Courses		Credit hours
MET 117	Mechanical Detailing	3	DDT2003	Machine Drawing	3
MET 125	CNC Machine Processes	2			
CHM 110	General Chemistry	3	PHS1015	General Chemistry & Lab (4/5)	4
CHM 111	General Chemistry Lab	1			
PHYS 113	General Physics I	4	PHS1055	General College Physics (4/5)	4
SPCH 105	Public Speaking IA	2	COM1203	Speech (2/3)	2
	Humanities/Social Science Elective	3		See advisor	3
TOTAL:		18	TOTAL:		16

#### Sophomore Fall Semester

K-State at Salina ETA-MT Courses		Credit hours	Independence Community College Courses		Credit hours
MET 231	Physical Materials & Metallurgy	3			
MET 252	Fluid Power Technology	3			
MATH 220	Analytic Geometry & Calculus I	4	MAT1055	Analytic Geometry & Calculus I (4/5)	4
CET 211	Statics	3			
ECET 100	Basic Electronics	4	IET 1043	Basic Electricity and Electronics	4
TOTAL:		17	TOTAL:		8

#### Sophomore Spring Semester

K-State at Salina ETA-MT Courses		Credit hours	Independence Community College Courses		Credit hours
MET 230	Automated Manufacturing Systems I	3			
MET 246	Dynamics of Machines	3			
MET 264	Machine Design Technology I	4			
MET 245	Materials Strength & Testing	3			
ENGL 302	Technical Writing	3	ENG2053	Technical Writing (0/3)	0
TOTAL:		16	TOTAL:		0

### Junior Fall Semester

K-State at Salina ETB-MT Courses			Credit hours	Independence Community College Courses		Credit hours
<b>MET 314</b>	<b>Computer-Aided Design &amp; Modeling</b>	<b>3</b>		DDT2053	Computer Aided Drafting 3D (0/3)	0
<b>MET 365</b>	<b>Machine Design Technology II</b>	<b>3</b>				
<b>ECET 304</b>	<b>Electric Power &amp; Devices</b>	<b>3</b>				
MATH 221	Analytic Geometry & Calculus II	4		MAT2025	Analytic Geometry & Calculus II (4/5)	4
	Computer Systems Technology Elective	3		EDP2023	C++ Programming	3
TOTAL:			16	TOTAL:		7

### Junior Spring Semester

K-State at Salina ETB-MT Courses			Credit hours	Independence Community College Courses		Credit hours
<b>MET 346</b>	<b>Elements of Mechanisms</b>	<b>3</b>				
<b>MET 353</b>	<b>Fluid Mechanics</b>	<b>3</b>				
<b>MET 382</b>	<b>Industrial Instrumentation &amp; Controls</b>	<b>3</b>				
ENGL 200	Expository Writing II	3		ENG1013	English Composition II	3
	Technical Elective	3		DDT2093	Fundamentals of Quality Control (0/3)	0
TOTAL:			15	TOTAL:		3

### Senior Fall Semester

K-State at Salina ETB-MT Courses			Credit hours	Independence Community College Courses		Credit hours
<b>MET 462</b>	<b>Senior Design Project I</b>	<b>1</b>				
<b>MET 481</b>	<b>Automated Manufacturing Systems II</b>	<b>3</b>				
PHYS 114	General Physics II	4		PHS1065	General Physics II (4/5)	4
	Humanities/Social Science Elective	3			See advisor	3
	Upper Division Humanities/SS Elective	3				
TOTAL:			14	TOTAL:		7

### Senior Spring Semester

K-State at Salina ETB-MT Courses			Credit hours	Independence Community College Courses		Credit hours
<b>MET 464</b>	<b>Senior Design Project II</b>	<b>2</b>				
<b>MET 471</b>	<b>Thermodynamics &amp; Heat Transfer</b>	<b>3</b>				
	Technical Elective	3				
	Business Elective	3				
	Upper Division Humanities/SS Elective	3				
TOTAL:			14	TOTAL:		0

**Total K-State Associate Degree Hours: 68**  
**Total ICC Hours Transferred (AT)\*: 41**  
**Total K-State Bachelor's Degree Hours: 127**  
**Total ICC Hours Transferred (BS)\*\*: 58**  
**Total upper-division hours\*\*\*: 45** (Boldfaced courses used to meet 45-hour requirement)

#### Notes:

- \*At least 15 hours total, and at least 10 of the last 15 hours must be earned from K-State for an associate degree.
- \*\*At least 30 hours total, and at least 20 of the last 30 hours must be earned from K-State for a bachelor's degree.
- \*\*\*45 hours of a K-State bachelor's degree must be upper-division coursework, 300-level and above
- One half or more of degree requirements must be earned at K-State or other 4-year institution
- University General Education (UGE) requirements apply. See advisor for details.
- See ICC Transfer Equivalency page at [http://www.k-state.edu/admit/dars/states/kansas/independence\\_cc.html](http://www.k-state.edu/admit/dars/states/kansas/independence_cc.html)

#### Contact Information:

- K-State at Salina Admissions Office: 1-800-248-5782 or 785-826-2640
- Engineering Technology Department: 785-826-2646
- <http://www.salina.k-state.edu/academics/engtech/met/>

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