

# K-State at Salina and Cowley County Community College

**BS in Engineering Technology, Mechanical Engineering Technology Option**  
**CONSULT WITH COWLEY COLLEGE ADVISOR OR ET DEPART. FOR TRANSFER GUIDE UPDATES**

## Freshman Fall Semester

K-State at Salina ETA-MT		Credit hours	Cowley County Community College Course		Credit Hours
MET 111	Technical Graphics	3	DFT 3325	Technical Drafting II	3
MET 121	Manufacturing Methods	3	MTT3414	Machine Tool Processes	3
MATH 100	College Algebra	3	MTH 4420	College Algebra	3
MATH 151	Applied Plane Trigonometry	2	MTH4425	Trigonometry (2/3)	2
CMST 110	Introduction to Visual Basic	3	CIS 1858	Visual Basic Programming	3
ENGL 100	Expository Writing I	3	ENG2211	Composition I	3
ETA 020	Engineering Technology Seminar	0		Waived for students with >=30 cr. hrs.	
<b>TOTAL:</b>		<b>17</b>	<b>TOTAL:</b>		<b>17</b>

## Freshman Spring Semester

K-State at Salina ETA-MT		Credit hours	Cowley County Community College Course		Credit hours
MET 117	Mechanical Detailing	3	DFT3335	Tech. drafting III	3
MET 125	CNC Machine Processes	2	MTT3534	Computerized Numerical Control (2/2)	2
CHM 110	General Chemistry	3	CHM 4211	Gen. Chemistry (4/5)	4
CHM 111	General Chemistry Lab	1			
PHYS 113	General Physics I	4	PHS 4450	Gen. Physics I (4/5)	4
SPCH 105	Public Speaking IA	2	COM2711	Speech (2/3)	2
	Humanities/Social Science Elective	3		See advisor	3
<b>TOTAL:</b>		<b>18</b>	<b>TOTAL:</b>		<b>18</b>

## Sophomore Fall Semester

K-State at Salina ETA-MT		Credit hours	Cowley County Community College Course		Credit hours
MET 231	Physical Materials & Metallurgy	3			
MET 252	Fluid Power Technology	3			
MATH 220	Analytic Geometry & Calculus I	4	MTH 4435	Calculus I (4/5)	4
CET 211	Statics	3			
ECET 100	Basic Electronics	4			
<b>TOTAL:</b>		<b>17</b>	<b>TOTAL:</b>		<b>4</b>

## Sophomore Spring Semester

K-State at Salina ETA-MT		Credit hours	Cowley County Community College Course		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			
<b>TOTAL:</b>		<b>16</b>	<b>TOTAL:</b>		<b>0</b>

### Junior Fall Semester

K-State at Salina ETB-MT		Credit hours	Cowley County Community College Course		Credit hours
<b>MET 314</b>	<b>Computer-Aided Design &amp; Modeling</b>	<b>3</b>			
<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	MTH 4440	Calculus 2 (4/5)	4
	Computer Systems Technology Elective	3	CIS 1720	Problem Solving Design in C	3
<b>TOTAL:</b>		<b>16</b>	<b>TOTAL:</b>		<b>7</b>

### Junior Spring Semester

K-State at Salina ETB-MT		Credit hours	Cowley County Community College Course		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	ENG 2212	Composition II	3
	Technical Elective	3			
<b>TOTAL:</b>		<b>15</b>	<b>TOTAL:</b>		<b>3</b>

### Senior Fall Semester

K-State at Salina ETB-MT		Credit hours	Cowley County Community College Course		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	PHS 4551	Gen. Physics II (4/5)	4
	Humanities/Social Science Elective	3		See advisor	3
	Upper Division Humanities/SS Elective	3			
<b>TOTAL:</b>		<b>14</b>	<b>TOTAL:</b>		<b>7</b>

### Senior Spring Semester

K-State at Salina ETB-MT		Credit hours	Cowley County Community College Course		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			
<b>TOTAL:</b>		<b>14</b>	<b>TOTAL:</b>		<b>0</b>

**Total K-State associate degree hours: 68**

**Total Cowley County CC hours transferred: 39**

**Total K-State bachelor's degree hours: 127**

**Total Cowley County CC hours transferred: 56**

**Total upper-division hours: 45 (Boldfaced courses used to meet 45-hour requirement)**

#### Notes:

- 45 hours 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
- At least 30 hours total, and at least 20 of the last 30 hours must be earned from K-State.
- University General Education (UGE) requirements apply. See advisor for details.
- See BCC Transfer Equivalency page at [http://www.k-state.edu/admit/dars/states/kansas/butler\\_ccc.html](http://www.k-state.edu/admit/dars/states/kansas/butler_ccc.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/>