

# K-State at Salina and Garden City Community College

## BS in Engineering Technology, Mechanical Engineering Technology Option CONSTULT WITH GARDEN COLLEGE ADVISOR OR ET DEPARTMENT FOR TRANSFER GUI

### Freshman Fall Semester

K-State at Salina ETA-MT Courses		Credit hours	Garden City Community College Courses		Credit Hours
MET 111	Technical Graphics	3	ENGR 105 DRAFT 104	Engineering Drawing I Computer Aided Drafting I	3
MET 121	Manufacturing Methods	3	INPR 100	Manufacturing Processes	3
MATH 100	College Algebra	3	MATH 108	College Algebra	3
MATH 151	Applied Plane Trigonometry	2	MATH 109	Plane Trigonometry (2/3)	2
CMST110	Introduction to Visual Basic	3	CSCI 103	Programming in Basic (2/3)	3
ENGL 100	Expository Writing I	3	ENGL 101	English I	3
ETA 020	Engineering Technology Seminar	0		Waived for students with $\geq 30$ cr. hrs.	
TOTAL:		17	TOTAL:		17

### Freshman Spring Semester

K-State at Salina ETA-MT Courses		Credit hours	Garden City Community College Courses		Credit hours
MET 117	Mechanical Detailing	3	ENGR 106	Engineering Drawing II	3
MET 125	CNC Machine Processes	2			
CHM 110	General Chemistry	3	CHEM 105	Gen Chemistry (4/5)	4
CHM 111	General Chemistry Lab	1	PHYS 205	General Physics I (4/5)	4
PHYS 113	General Physics I	4	SPCH 111	Public Speaking 1 (2/3)	2
SPCH 105	Public Speaking IA	2		See advisor	3
	Humanities/Social Science Elective	3			
TOTAL:		18	TOTAL:		16

### Sophomore Fall Semester

K-State at Salina ETA-MT Courses		Credit hours	Garden City Community College Courses		Credit hours
MET 231	Physical Materials & Metallurgy	3			
MET 252	Fluid Power Technology	3	INPR 160	Basic Hydraulics	3
MATH 220	Analytic Geometry & Calculus I	4	MATH 122	Calculus and Analytic Geometry I (4/5)	4
CET 211	Statics	3	ENGR 205	Statics I	3
ECET 100	Basic Electronics	4	ELEC 120	Electronic Circuits I (3/4)	3
TOTAL:		17	TOTAL:		13

### Sophomore Spring Semester

K-State at Salina ETA-MT Courses		Credit hours	Garden City Community College Courses		Credit hours
MET 230	Automated Manufacturing Systems I	3	DRFT 180 INPR 190	Robotics or Computer Integrated Mfg. 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			
TOTAL:		16	TOTAL:		3

### Junior Fall Semester

K-State at Salina ETB-MT Courses			Credit hours	Garden City Community College Courses		Credit hours
MET 314	Computer-Aided Design & Modeling	3				
MET 365	Machine Design Technology II	3				
ECET 304	Electric Power & Devices	3				
MATH 221	Analytic Geometry & Calculus II	4	MATH 123	Calculus & Analytic Geometry II (4/5)		4
	Computer Systems Technology Elective	3	CSCI 108	Programming in C++		3
TOTAL:			16	TOTAL:		7

### Junior Spring Semester

K-State at Salina ETB-MT Courses			Credit hours	Garden City Community College Courses		Credit hours
MET 346	Elements of Mechanisms	3				
MET 353	Fluid Mechanics	3				
MET 382	Industrial Instrumentation & Controls	3				
ENGL 200	Expository Writing II	3	ENGL 102	English II		3
	Technical Elective	3				
TOTAL:			15	TOTAL:		3

### Senior Fall Semester

K-State at Salina ETB-MT Courses			Credit hours	Garden City Community College Courses		Credit hours
MET 462	Senior Design Project I	1				
MET 481	Automated Manufacturing Systems II	3				
PHYS 114	General Physics II	4	PHYS 206	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	Garden City Community College Courses		Credit hours
MET 464	Senior Design Project II	2				
MET 471	Thermodynamics & Heat Transfer	3				
	Technical Elective	3				
	Business Elective	3				
	Upper Division Humanities/SS Elective	3				
TOTAL:			14	TOTAL:		0

**Total K-State Associate Degree Hours: 68**  
**Total Garden City Hours Transferred (AT)\*: 49**  
**Total K-State Bachelor's Degree Hours: 127**  
**Total Garden City Hours Transferred (BS)\*\*: 64**  
**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 Garden City Transfer Equivalency page at [http://www.k-state.edu/admit/dars/states/kansas/garden\\_c\\_cc.html](http://www.k-state.edu/admit/dars/states/kansas/garden_c_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/>

## DE UPDATES