

K-State at Salina and Butler Community College

BS in Engineering Technology, Mechanical Engineering Technology Option

CONSULT WITH BUTLER COLLEGE ADVISOR OR ET DEPARTMENT FOR TRANSFER GUIDE UPDAT

Freshman Fall Semester

K-State at Salina ETA-MT		Credit hours	BCC Courses		Credit Hours
MET 111	Technical Graphics	3	EN 101	Graphics I	3
MET 121	Manufacturing Methods	3	IT 204	Manufacturing Processes	3
MATH 100	College Algebra	3	MA 135	College Algebra	3
MATH 151	Applied Plane Trigonometry	2	MA 140	Trigonometry (2/3)	2
				OR	
CMST 110	Introduction to Visual Basic	3	MA145	Pre-Calculus Mathematics (5/5)	
ENGL 100	Expository Writing I	3	IN 108	PC Visual Basic Programming	3
ETA 020	Engineering Technology Seminar	0	EG101	English Composition I	3
				Waived for students with >=30 cr. hrs.	
TOTAL:		17	TOTAL:		17

Freshman Spring Semester

K-State at Salina ETA-MT		Credit hours	BCC Courses		Credit hours
MET 117	Mechanical Detailing	3	EN 102	Graphics II	3
MET 125	CNC Machine Processes	2	IT 120	Begening Concepts of CNC (2/3)	2
CHM 110	General Chemistry	3	CH 105	Basic Chemistry (4/5)	4
CHM 111	General Chemistry Lab	1			
PHYS 113	General Physics I	4	PH 143	General Physics I (4/5)	4
SPCH 105	Public Speaking IA	2	SP 100	Public Speaking (2/3)	2
	Humanities/Social Science Elective	3		See advisor	3
TOTAL:		18	TOTAL:		18

Sophomore Fall Semester

K-State at Salina ETA-MT		Credit hours	BCC Courses		Credit hours
MET 231	Physical Materials & Metallurgy	3		Offered at Andover by K-State at Salina	
MET 252	Fluid Power Technology	3	IT 117	Introduction to Fluid Power	3
MATH 220	Analytic Geometry & Calculus I	4	MA 151	Calculus I (4/5)	4
CET 211	Statics	3		Offered at Andover by K-State at Salina	
ECET 100	Basic Electronics	4		Offered at Andover by K-State at Salina	
TOTAL:		17	TOTAL:		7

Sophomore Spring Semester

K-State at Salina ETA-MT		Credit hours	BCC Courses		Credit hours
MET 230	Automated Manufacturing Systems I	3	IT 215	Introduction to Robotics	3
MET 246	Dynamics of Machines	3		Offered at Andover by K-State at Salina	
MET 264	Machine Design Technology I	4		Offered at Andover by K-State at Salina	
MET 245	Materials Strength & Testing	3		Offered at Andover by K-State at Salina	
ENGL 302	Technical Writing	3		Offered at Andover by K-State at Salina	
TOTAL:		16	TOTAL:		3

Junior Fall Semester

K-State at Salina ETB-MT		Credit hours	BCC Courses		Credit hours
MET 314	Computer-Aided Design & Modeling	3	IT 218 or IT 219	Basic or Advanced Catia (2/3)	2
MET 365	Machine Design Technology II	3		Offered at Andover by K-State at Salina	
ECET 304	Electric Power & Devices	3		Offered at Andover by K-State at Salina	
MATH 221	Analytic Geometry & Calculus II	4	MA 152	Calculus II (4/5)	4
	Computer Systems Technology Elective	3	IN 200	Intro. To Programming C++	3
TOTAL:		16	TOTAL:		9

Junior Spring Semester

K-State at Salina ETB-MT		Credit hours	BCC Courses		Credit hours
MET 346	Elements of Mechanisms	3		Offered at Andover by K-State at Salina	
MET 353	Fluid Mechanics	3		Offered at Andover by K-State at Salina	
MET 382	Industrial Instrumentation & Controls	3		Offered at Andover by K-State at Salina	
ENGL 200	Expository Writing II	3	EG102	English Composition II	3
	Technical Elective	3		Offered at Andover by K-State at Salina	
TOTAL:		15	TOTAL:		3

Senior Fall Semester

K-State at Salina ETB-MT		Credit hours	BCC Courses		Credit hours
MET 462	Senior Design Project I	1		Offered at Andover by K-State at Salina	
MET 481	Automated Manufacturing Systems II	3		Offered at Andover by K-State at Salina	
PHYS 114	General Physics II	4	PH 146	General Physics II (4/5)	4
	Humanities/Social Science Elective	3		See advisor	3
	Upper Division Humanities/SS Elective	3		Offered at Andover by K-State at Salina	
TOTAL:		14	TOTAL:		7

Senior Spring Semester

K-State at Salina ETB-MT		Credit hours	BCC Courses		Credit hours
MET 464	Senior Design Project II	2		Offered at Andover by K-State at Salina	
MET 471	Thermodynamics & Heat Transfer	3		Offered at Andover by K-State at Salina	
	Technical Elective	3		Offered at Andover by K-State at Salina	
	Business Elective	3		Offered at Andover by K-State at Salina	
	Upper Division Humanities/SS Elective	3		Offered at Andover by K-State at Salina	
TOTAL:		14	TOTAL:		0

Total K-State Associate Degree Hours: 68

Total BCC Hours Transferred: 45

Total K-State Bachelor's Degree Hours: 127

Total BCC Hours Transferred: 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 BCC Transfer Equivalency page at 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/>