

TRANSFER ARTICULATION AGREEMENT
Wichita State University
Butler Community College
Pre-Engineering and Associated of Integrated Technology at Butler
B.S. Manufacturing Engineering at Wichita State

	Wichita State University BS MfgE Requirements			Courses at Butler that can transfer to WSU BS MfgE and fulfill AAS requirements			AAS Integrated Technology Requirements	
Engl 101	College English I	3	EG 101	English Composition I	3	EG 101	English Composition I	3
Engl 102	College English II	3	EG 102	English Composition II	3	EG 102	English Composition II	3
Comm. 111	Public Speaking	3	SP 100	Public Speaking	3			
Fine Arts	Elective	3	Fine Arts	Elective	3			
Phil 385	Engineering Ethics	3						
Humanities	Elective	3-6	Humanities	Elective	3-6		Humanities Elective	3
SS/BS	Elective	6-9	SS/BS	Elective	6-9		BS/SS Elective	3
Math 242	Calculus I	5	MA 151	Calc I with Analytical Geometry	5		Math	3
Math 243	Calculus II	5	MA 152	Calc II with Analytical Geometry	5			
Math 344	Calculus III	3	MA 253	Calc III with Analytical Geometry	3			
Math 555	Differential Equations	3	MA 260	Differential Equations	3			
IE 254	Engr Probability & Statistics I	3						
Phys 313	University Physics I	4	PH 251	Physics I	5	PH 109	Applied Physics I	3
Phys 314	University Physics II	4	PH 252	Physics II	5	PH 110	Applied Physics II	3
Chem. 211	General Chemistry	5	CH 110	College Chemistry I	5			
AE 223	Statics	3	EN 260	Statics	3			
ECE 282	Circuits I	4						
IE 255	Engr Economy	3						
ME 398	Thermodynamics I	3						
ECE 138	Engr Computing in C	3	IN 200	Intro to Programming C++	3	IN 108	PC Visual Basic programming	3
ME 250/251	Materials Engineering	3						
MfgE 258	Manufacturing Methods & Materials I	3	IT 204	Manufacturing Processes	3	IT 204	Manufacturing Processes	3
IE 222	Eng Graphics	3	EN 101	Graphics I	3	EN 101	Graphics I	3
MfgE 558	Manufacturing Methods & Materials II	4						
IE 524	Engr Probability & Statistics II	3						
AE 333	Mechanics of Materials	3						
ME 439	Mech Engr Design I	3						
MfgE 502	Mfg Measurement & Analysis	3						
IE 554	Statistical Quality Control	3						
IE 664	Engineering Mgt	3						
DS 350	Intro to Production Mgt	3						
MfgE 554	Mfg Tools	3						
MfgE 590	MfgE Design I	3						
MfgE 690	MfgE Design II	3						
Tech Elect IMfgE		3		Transfer Elective		IT 215	Intro to Robotics	3
Tech Elect IMfgE		3		Transfer Elective		IT 220	Adv. Automated Mfg with CNC	3
Open Elective		3		Transfer Elective		EN 115	Engineering Concepts	3
						IT 120	Beginning Concepts of CNC	3
						IT 205	Industrial Safety	3
						WE 121	Fundamentals of Welding	3
						IT 101	Machine Shop I	3
						WE 122	Fundamental of Welding II	3
						EN 102	Graphics II	3
						IT 141	Industrial Supervision	3
						IT 102	Machine Processes II	3
		128						63