PROGRAM ARTICULATION DEGREE PLAN					
Moraine Valley Community College 2021-2022			***Southern Illinois University Carbondale***		
AAS Integrated Systems Technology - 60 hrs			BS Industrial Management and Applied Engineering (IMAE) - 120 hrs		
			University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs			**Hrs**
			UNIV 101	Saluki Success	NA
COM 103	Speech Fundamentals	3	CMST 101	Intro to Oral Communication	T
COM 101	Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
			MATH 108 (fulfills BS degree requirement)	College Algebra	3
	IAI Social/Behavior Science -or- IAI Humanities/Fine Arts	3	SOCIAL SCIENCE	*(See SIU Transfer Equivalencey Guide)*	T*
			SOCIAL SCIENCE		3
			HUMANITIES		3
			HUMANITIES		NA
PHY 150	Mechanics, Heat & Sound	4	PHYS 203/253A (fulfills BS degree requirement)	College Physics/Lab	T
			LIFE SCIENCE, GRP II		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		13			**18**
			UCC Requirements are 6 hrs Social Science, 3 hrs Humanities, and 3 Fine Arts		
Program Requirements			**Program Requirements**		
ELT 101	Electricity and Electronics	3			
ELT 102	Digital Logic/Solid State Devices	3			
ELT 112	Computers for Industry	1			
ELT 201	Industrial Controls	3			
ELT 202	Advanced Industrial Controls	3			
ELT 211	Introduction to PLCs	3			
ELT 222	Advanced PLCs	3			
IMM 101	Mechanical Systems I	3	The AAS degree in Integrated Systems Technology as articulated with the recommended technical electives fulfills the 22 hrs of technical electives and the following course requirements for the BS degree in Industrial Management & Applied Engineering.		
IMM 103	Machinery Moving and Set-Up	2			
IMM 107	Mechanical Systems II	3			
IMM 120	Fluid Power I: Basic Circuits	3			
IMM 220	Fluid Power II: Intermediate System	3			
IST 109	Prints for Industry	3			
MTH 133	Math for Industry	2			
WLD 111	Basic Arc/Gas Welding I	3			
WLD 113	Basic Metallurgy and Materials	3			
Career Area Elective	Choose from ELT, HAC, IMM, LAN, MDT, CIS, WLD	3			
		60			
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208 (Required for BS degree)	Fundamentals of Manufacturing Processess	3
			IMAE 305	Industrial Safety	3
			IMAE 307	Applied Calculus for Technology	3
			IMAE 340 -or- PSYC 323**	Introduction to Supervision -or- Organizational Psychology	3
			IMAE 375	Production and Inventory Management	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Planning & Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer Integrated Manufacturing	3
			IMAE 450	Project Management	3
			IMAE 465	Lean Manufacturing	3
			IMAE 470A	Six Sigma Green Belt I	3
			IMAE 470B	Six Sigma Green Belt II	3
			IMAE 476	Supply Chain Management	3
			PHYS 203/253B	College Physics/Lab	4
			IMAE Electives	(Must be at 300/400 level)	3
					52
Total semester hrs completed w/ AAS degree		**60**	**Total semester hrs completed w/ BS degree**		**70**
			Total hours to BS degree:		**130**