PROGRAM ARTICULATION DEGREE PLAN

Richard J. Daley College - City Colleges of Chicago 2021-2022			***Southern Illinois University Carbondale***		
AAS Mechatronics Engineering Technology - 62 hrs			BS Industrial Management and Applied Engineering (IMAE) 120 Hrs		
			University Core Curriculum (UCC) - 30 hrs Capstone Option		
		Hrs			**Hrs**
			UNIV 101	Saluki Success	NA
			CMST 101	Intro Oral Communication	3
ENGLISH 101	Composition	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MATH 140	College Algebra	4	MATH 108	College Algebra	T
SOCIAL SCIENCE*	(See SIU Transfer Guide)	3	SOCIAL SCIENCE		T
			SOCIAL SCIENCE		3
HUMANITIES/FINE ARTS*	(See SIU Transfer Guide)	3	HUMANITIES		T
PHYSICS 231	General Physics I	4	PHYS 203A/253A	College Physics/Lab	T
			LIFE SCIENCE	(Students take 2 Physics courses)	NA
			FINE ARTS		3
			HEALTH		NA
			MULTICULTURAL		3
		17			**12**
*At least 1 course must meet Human Diversity requirements					
Program Requirements			**Program Requirements**		
340 MFGT 105	Intro to Advanced Manufacturing 1	3			
340 MFGT 106	Intro to Advanced Manufacturing 2	3			
340 MFGT 107	Intro to Advanced Manufacturing 3	3			
340 MFGT 108	Robotics 1	3			
340 MFGT 109	Introduction to Manual Machining	3			
340 MFGT 110	CNC 1 Operations	3			
340 MFGT 153	Welding 1 GMAW	3	**The AAS degree in Mechatronics Engineering Technology as articulated fulfills the 22 hours of technical elective requirements for the BS degree in Industrial Management and Applied Engineering.**		
340 MFGT 188	Industrial Electricity 1	3			
340 MFGT 189	Industrial Electricity 2 - Motors	3			
340 MFGT 208	Robotics 2 - Robotics Integration	3			
340 MFGT 209	Computer Aided Manufacturing (CAM) 1	3			
340 MFGT 287	Maintenance Technologies 1	3			
340 MFGT 288	Industrial Electricity 3 PLC's 1	3			
340 MFGT 289	Industrial Electricity 4 PLC's 2	3			
340 MFGT 290	Process Technology 1	3			
		45			
			PHYS 203/253B	College Physics/Lab	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 307 -or- MATH 140	Applied Calc for Tech -or- Short Course in Calculus	3-4
			IMAE 340 -or- PSYC 343	Intro 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
			IMAE Electives	(Must be at 300/400 level)	3
					52-53
Total semester hrs completed with AAS degree:		**62**	**Total semester hrs completed with BS degree:**		**64-65**
			Total hrs to BS degree:		**126-127**
			*Note: PSYC 323 instead of IMAE 340 is an option for on-campus students only		
Degree Plan created on 10/6/2021 by SW					