

PROGRAM ARTICULATION DEGREE PLAN					
College of DuPage		2021-2022	Southern Illinois University Carbondale		
AAS Automated Manufacturing Systems - 68 hrs			BS Industrial Management and Applied Engineering (IMAE) Quality Management Specialization - 120 hrs		
General Education			University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs		
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
SPEEC 1100	Fundamentals of Speech Communication	3	CMST 101	Intro to Oral Communication	T
ENGLI 1101	English Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MATH 1428	College Algebra w/Applications	3	MATH 108	College Algebra	T
PSYCH 1100	General Psychology	3	PSYC 102	Intro to Psychology	T
			SOCIAL SCIENCE		
	Humanities	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T
			HUMANITIES		
PHYSI 1201	General Physics I	5	PHYS 203A -and- 253A	College Physics w/Lab	T
			LIFE SCIENCE		
			FINE ARTS		
			HUMAN HEALTH		NA
	Contemporary Life Skills	2	MULTICULTURAL	See SIUC Transfer Equivalency Guide	T
		22			9
Program Requirements			Program Requirements		
Program Elective	Select from MANUF Specified Courses	3	Any unarticulated courses will be used to satisfy general elective credit		
ELECT 1100	Electricity & Electronics Fundamentals	3			
ELMEC 1141	Hydraulics & Pneumatics	3			
ELMEC 1171	Intro to Robotic Technology	3			
ELMEC 1190	Intro to Programmable Logic Controllers	3			
MANUF 1101	Industrial Design/CAD	3			
MANUF 1104	Technical Mechanics	2			
MANUF 1110	Metrology	3			
MANUF 1121	Physical Metallurgy	3			
MANUF 1180	Quality Control	3			
MANUF 2251	Computer Numerical Control (CNC)	3			
MANUF 2253	Computer-Aided Manufacturing (CAM)	3			
MANUF 2280	Industrial Safety	2			
MANUF 1151	Machine Shop I	3			
MANUF 2201 (Program Elective)	Geometric Dimensioning & Tolerancing	3			
MANUF 2202	Solid Modeling & Design	3			
		46			
			PHYS 203B -and- 253B	College Physics w/Lab	4
			IMAE 305	Industrial Safety	3
			IMAE 307 -or- MATH 140	Applied Calculus for Tech -or- Short Course in Calculus	3
			PSYC 323 or IMAE 340*	Organizational Psychology or Intro to Supervision	3
			IMAE 375	Production & 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	300/400 level	3
					46
Total semester hrs completed w/AAS degree:		68	Total semester hrs completed w/BS degree:		
					55
			Total hours to BS Degree:		
					123
			*PSYC 323 instead of IMAE 340 is an option for on-campus students only		
Degree Plan created on 9/22/21 by SG					