

PROGRAM ARTICULATION DEGREE PLAN					
Prairie State College 2018-2019			Southern Illinois University Carbondale		
AAS Tool and Die Making - 63 hrs			BS Industrial Management and Applied Engineering (IMAE) - 120 hrs		
			UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 hrs		
		Hrs			Hrs
ENG 101	Composition I	3	UNIV 101	Saluki Success	NA
			ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
COMM 101	Principles of Communication	3	CMST 101	Intro to Oral Communication	T
MATH 151*	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra	T
IAI SOCIAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE		T
			SOCIAL SCIENCE		3
IAI HUMANITIES/FINE ARTS	(See SIUC Equivalency Guide)	3	HUMANITIES		T
			HUMANITIES		NA
PHYSI 120	College Physics I	4	PHYS 203A/253A (Required for BS degree)	College Physics w/ Lab	T
			LIFE SCIENCE, GRP II		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
* Recommended to fulfill SIUC BS degree requirements		20			12
Program Requirements			Program Requirements		
CADMD 141	Technical Drafting	3	The AAS in Tool and Die Making as articulated fulfills the program technical elective requirements		
CADMD 243	Introduction to AutoCAD	3	for the BS in Industrial Management and Applied Engineering.		
CADMD 244	Intermediate AutoCAD	3			
HYDR 101	Fundamentals of Hydraulics	2			
HYDR 106	Pneumatics	2			
MILL 101	Industrial Maintenance Techniques I	2			
MT 101	Machining Basics – Measurement, Materials, & Safety	3			
MT 102	Machining Job Planning, Benchwork, & Layout	3			
MT 105	Metal Working Processes III	3			
MT 210	CNC Milling Level I	3			
MT 220	Metallurgy – Ferrous	2			
TECH 109	Technical Mathematics I	4			
TOOL 101	Tool and Die Processes	2			
TOOL 102	Tool and Die Maintenance	2			
WELD 115	Basic Arc Welding/Oxyfuel Welding	3			
Electives	Choose at least 3 hours from: CADMD 245, 248, 249; MT 211, 214	3			
		43			
			PHYS 203B/253B (Required for BS degree)	College Physics w/ Lab	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	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 376	Supply Chain Operations & Logistics	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Planning & Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer-Aided 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 Design & Strategy	3
			IMAE Elective	300/400 level (Required to meet 42 hr requirement)	3
					52
Total semester hrs completed w/ AAS degree		63	Total semester hrs completed w/ BS degree		64
			Total hours to BS degree:		127
			*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		