

PROGRAM ARTICULATION DEGREE PLAN			
Prairie State College 2018-2019		Southern Illinois University Carbondale	
AAS Manufacturing Technology - 62 hrs		BS Industrial Management and Applied Engineering (IMAE) - 120 hrs	
		UNIVERSITY CORE CURRICULUM (UCC) CAPSTONE OPTION - 30 hrs	
		Hrs	Hrs
		UNIV 101	Saluki Success
ENG 101	Composition I	3	ENGL 101
			ENGL 102
COMM 101	Principles of Communication	3	CMST 101
MATH 151*	College Algebra	4	MATH 108 (Required for BS degree)
IAI SOCIAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE
			SOCIAL SCIENCE
IAI HUMANITIES/FINE ARTS	(See SIUC Equivalency Guide)	3	HUMANITIES
			HUMANITIES
PHYSI 120	College Physics I	4	PHYS 203A/253A (Required for BS degree)
			LIFE SCIENCE, GRP II
			FINE ARTS
			HUMAN HEALTH
			MULTICULTURAL
		20	
*Recommended to fulfill SIUC BS degree requirements			
Program Requirements		Program Requirements	
CADMD 141	Technical Drafting	3	The AAS in Manufacturing Technology as articulated fulfills the program technical elective requirements
CADMD 243	Introduction to AutoCAD	3	for the BS in Industrial Management and Applied Engineering (IMAE).
MATH 157*	Calculus for Business and Social Science	4	MATH 140 (Required for BS degree)
MT 101	Machining Basics – Measurement, Materials & Safety	3	Short Course in Calculus
MT 102	Machining Job Planning, Benchwork & Layout	3	
MT 105	Metal Working Processes III	3	
MT 210	CNC Milling Level I	3	
MT 211	CNC Turning Level 1	3	
MT 212	Introduction to Robotics	3	
MT 214	CAD/CAM Systems	3	
MT 215	Manufacturing Systems	4	
PHYSI 130	College Physics II	4	PHYS 203B/253B (Required for BS degree)
Electives	Choose 3 hours from CADMD 244; HYDR 101; WELD 215	3	
		42	
*Recommended elective to fulfill SIUC BS degree requirements			
		IMAE 110	Geometric Dimensioning & Tolerancing
		IMAE 208	Fundamentals of Manufacturing Processes
		IMAE 305	Industrial Safety
		IMAE 340 -or- PSYC 323*	Introduction to Supervision -or- Organizational Psychology
		IMAE 376	Supply Chain Operations & Logistics
		IMAE 390	Cost Estimating
		IMAE 392	Facilities Planning & Workplace Design
		IMAE 442	Fundamentals of Leadership
		IMAE 445	Computer-Aided Manufacturing
		IMAE 450	Project Management
		IMAE 465	Lean Manufacturing
		IMAE 470A	Six Sigma Green Belt I
		IMAE 470B	Six Sigma Green Belt II
		IMAE 476	Supply Chain Design & Strategy
		IMAE Electives	300/400 level (Required to meet 42 hr requirement)
			48
Total semester hrs completed w/ AAS degree		62	Total semester hrs completed w/ BS degree
			60
		Total hours to BS degree:	
			122
*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite			