PROGRAM ARTICULATION DEG	REE PLAN				
Parkland College 2024-2025			Southern Illinois University Carbondale		
AAS Industrial Technology: Maintenance & Automation - 60 hrs			BS Industrial Management & Applied Engineering (IMAE) - 120 hrs		
			University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
COM 103	Intro to Public Speaking	3	CMST 101	Intro to Oral Communication	T
ENG 101	Composition I	3	ENGL 101	English Composition I	Т
			ENGL 102	English Composition II	NA
MAT 124	College Algebra	4	MATH 108	College Algebra	Т
			SOCIAL SCIENCE		3
			SOCIAL SCIENCE		3
			HUMANITIES		3
			HUMANITIES		NA
PHY 121 (Gen Educ Elective)	General Physics I	5	PHYS 203A -and- 253A	College Physics w/Lab	Т
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		15			18
Program Requirements			Program Requirements		
CAD 113	Computer-Aided Machine Design I	4			•
CAD 114	Intro to AutoCAD (Computer-Aided Drafting)	2	1		
MFT 113	Intro to Hydraulics & Pneumatics	3	1		
MFT 130	Basic Machine Processes	3	1		
MFT 131	Intro to Manufacturing & Industrial Safety	3	The AAS degree in Industrial Technology: Maintenance & Automation as articulated fulfills the 1 hrs of technical elective course requirements for the BS degree in Industrial Management &		
MFT 137	Intro to CNC Programming	4			
MFT 139	Quality Assurance	3		Applied Engineering (IMAE)	
MFT 151	Manufacturing Work Experience I	2	- Applied Engineering (mix.E)		
WLD 111	Intro to Welding	4	1		
Elective	into to Wolding	1			
Technical Electives	Select from list of approved courses	10	1		
ELT 150	Intro to Electricity & Electronics	3	EET 150 (elective)	Intro to Electrical Engineering Technology	Т
MFT 110	Mechanical Assemblies	3	IMAE 1XX (elective)	IMAE Technical Elective 100-level	Ť
	Modification / todombiles	45		III LE TOGINION EIGENTO TOGICO	
			PHYS 203B -and- 253B	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 Calc for Tech	3
			IMAE 340	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 Elective	300/400 level	3
			THE ELECTIVE	000/10010001	52
					32
Total semester hrs completed w/AAS degree:		60	Total semester hrs complete	ed w/BS degree:	70
i otal semester mis completed w	nno acgree.	- 00	Total semester in a complete	cu m/Do acgree.	70
		_	Total hours to BS degree:		130
<u> </u>			Total flours to be degree:		130
Degree Plan created on 5/14/24 by	v 9G				-
Degree Flair Gealeu On 3/14/24 D)	y 00				
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