PROGRAM ARTICULATION DEGREE PLAN					
Harper College	***2024-2025***		***Southern Illinois University Carbondale***		
AAS Manufacturing Technology - Metal Fabrication - 61 hrs			BS Industrial Management & Applied Engineering (IMAE) - 120 hrs		
			University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs		
		Hrs			**Hrs**
			UNIV 101	Saluki Success	NA
SPE 101	Fund of Speech Communication	3	CMST 101	Intro:Oral Communication	T
ENG 101	Composition	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MTH 103	College Algebra	3	MATH 108	College Algebra	T
	IAI Social Science*	3	SOCIAL SCIENCE	*(See SIUC Transfer Equivalency Guide)*	T
			SOCIAL SCIENCE		3
	IAI Humanities*	3	HUMANITIES	*(See SIUC Transfer Equivalency Guide)*	T
			HUMANITIES		NA
			PHYS 203A -and- 253A	College Physics w/Lab	4
			LIFE SCIENCE		3
	IAI Fine Arts*	3	FINE ARTS		T
			HUMAN HEALTH		NA
*One course must satisfy a World Cultures and Diversity requirement			MULTICULTURAL		3
		18			**13**
Program Requirements			**Program Requirements**		
MFT 102	Introduction to Manufacturing & Safety	4			
MFT 104	Quality & Measurement	2			
MFT 109	Intro to Manufacturing Maintenance	2			
MFT 119	Manufacturing Internship	2			
MFT 134	Print Reading for Industry	3			
WLD 110	Welding I	3	**An AAS in Manufacturing Technology - Metal Fabrication as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).**		
WLD 210	Welding II	3			
WLD 211	Welding III	4			
WLD 212	Welding IV	4			
WLD 225	Advanced Blueprint Reading	2			
WLD 240	Cutting Processes	3			
WLD 245	Welding Fabrication I	4			
WLD 250	Welding Fabrication II	4			
MFT 108	Manufacturing Processes	3	IMAE 208	Fundamentals of Manufacturing Processes	T
		43			
			PHYS 203B -and- 253B	College Physics w/Lab	4
			IMAE 110	Geometric Dimensioning & Tolerancing	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
					49
Total semester hrs completed w/AAS degree:		**61**	**Total semester hrs completed w/BS degree:**		**62**
			Total hours to BS Degree:		**123**
Degree Plan updated on 5/15/24 by SG					