

PROGRAM ARTICULATION DEGREE PLAN				
Harper College 2021-2022			Southern Illinois University Carbondale	
AAS Manufacturing Technology - Supply Chain Management/Logistics - 60 hrs			BS Industrial Management and Applied Engineering (IMAE) - 120 hrs	
			University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs	
		Hrs		Hrs
MTH 103	College Algebra	3	UNIV 101	Foundations of Inquiry
			MATH 108 (Required for BS degree)	College Algebra
			CMST 101	Intro: Oral Communication
ENG 101	Composition	3	ENGL 101	English Composition I
			ENGL 102	English Composition II
	IAI Social Science*	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)
			SOCIAL SCIENCE	
	IAI Humanities*	3	HUMANITIES	(See SIUC Equivalency Guide)
			HUMANITIES	
			PHYS 203/253A (Required for BS degree)	College Physics/Lab
			LIFE SCIENCE	Students take 2 physics courses
	IAI Fine Arts*	3	FINE ARTS	(See SIUC Equivalency Guide)
			HUMAN HEALTH	
			MULTICULTURAL	
*One course must satisfy a World Cultures and Diversity requirement				
		15		10
Program Requirements			Program Requirements	
MFT 102	Intro to Manufacturing and Safety	4	An AAS in Manufacturing Technology - Supply Chain Management/Logistics satisfies the 22 hours of technical electives required for the BS degree in Industrial Management and Applied Engineering.	
MFT 104	Quality and Measurement	2		
MFT 108	Manufacturing Processes	3		
MFT 109	Intro to Manufacturing Maintenance	2		
MFT 119	Manufacturing Internship	2		
SCM 101	Supply Chain Management	3		
SCM 120	Production Control	3		
SCM 122	Inventory Management	3		
SCM 123	Transportation	3		
SCM 124	Warehouse Operations	3		
SCM 125	Procurement	3		
SCM 126	Demand Planning	3		
SCM 226	Advanced Planning and Integration	3		
Technical Electives		8		
		45	PHYS 203/253B	College Physics/Lab
			IMAE 110	Geometric Dimensioning & Tolerancing
			IMAE 208	Fundamentals of Mfg Processes
			IMAE 305	Industrial Safety
			IMAE 307 -or- MATH 140	Applied Calc for Tech -or- Short Course in Calc
			IMAE 340 -or- PSYC 323*	Intro to Supervision
			IMAE 375	Production and Inventory Management
			IMAE 390	Cost Estimating
			IMAE 392	Facilities Plan/Workplace Dsgn
			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 Management
			IMAE Electives	(Must be at 300/400 level)
				52-53
Total semester hrs completed w/ AAS degree:		60	Total semester hrs completed w/ BS degree:	
				62-63
			Total hours to BS Degree:	
				122-123
			*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite	
<i>Degree plan created by SW 12/17/2021</i>				