

PROGRAM ARTICULATION DEGREE PLAN								
<b>Spoon River College 2023-2024</b>			<b>Southern Illinois University Carbondale</b>					
AAS Advanced Manufacturing - 61 hrs			BS Industrial Management and Applied Engineering (IMAE) - 120 hrs					
			<b>University Core Curriculum (UCC) Capstone Option - 30 hrs</b>					
		<b>Hrs</b>			<b>Hrs</b>			
			UNIV 101	Saluki Success	NA			
*COM 103	Speech Communications	3	CMST 101	Intro:Oral Communication	T			
ENG 101	English Composition I	3	ENGL 101	English Composition I	T			
			ENGL 102	English Composition II	NA			
*MAT 125	College Algebra	3	MATH 108 (Required for BS degree)	College Algebra	T			
	IAI SOCIAL/BEHAVIORAL SCIENCE	3	SOCIAL SCIENCE	See SIUC Equivalency Guide	T			
			SOCIAL SCIENCE		3			
	IAI HUMANITIES/FINE ARTS	3	HUMANITIES	See SIUC Equivalency Guide	T			
			HUMANITIES		NA			
			PHYS 203/253A (Required for BS degree)	College Physics/Lab	4			
			LIFE SCIENCE		3			
			FINE ARTS		3			
			HUMAN HEALTH		NA			
			MULTICULTURAL		3			
		<b>15</b>			<b>16</b>			
<b>Program Requirements</b>			<b>Program Requirements</b>					
GT 103	Engineering Graphics	2	<b>The AAS degree in Advanced Manufacturing as articulated fulfills the 15 hrs of technical electives and the following course requirements for the BS degree in Industrial Management &amp; Applied Engineering.</b>					
CSC 101	Computer Applications for Business	3						
WEL 100	Introduction to Welding	2						
WEL 102	MIG Welding	4						
HS 101	First Aid	2						
MFG 101	Intro to Manufacturing and Safety	3						
MFG 102	Quality and Measurement	3						
MFG 104	Manufacturing Maintenance	2						
MFG 105	Blueprint Reading for Manufacturing	3						
MFG 202	Fund of CNC Machining and Programming	3						
MFG 204	Machine Tooling Processes	3						
MFG 205	Industrial Equipment Maintenance	3						
MFG 206	Electricity and Electronics	3						
MFG 207	Hydraulics and Pneumatics	3						
MFG 210	Advanced Manufacturing Internship	4						
MFG 103	Manufacturing Processes and Production	3				IMAE 208	Fundamentals of Manufacturing Processes	T
		<b>46</b>						
			PHYS 203/253B	College Physics/Lab	4			
			IMAE 110	Geometric Dimensioning & Tolerancing	3			
			IMAE 305	Industrial Safety	3			
*Recommended to fulfill SIUC BS degree requirements			IMAE 307 -or- MATH 140	Applied Calc for Tech -or- Short Course in Calc	3-4			
			IMAE 340 -or- PSYC 323**	Intro to Supervision -or- Organizational Psych	3			
			IMAE 375	Production and 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 Electives	(Must be at 300/400 level)	6			
			<b>**PSYC 323 is an option for on-campus students only &amp; requires PSYC 102 as a prerequisite</b>		<b>52-53</b>			
<b>Total semester hrs completed w/ AAS degree</b>		<b>61</b>	<b>Total semester hrs completed w/ BS degree</b>		<b>68-69</b>			
<i>Degree plan updated by SW 7/18/2023</i>			<b>Total hours to BS degree:</b>		<b>129-131</b>			