

PROGRAM ARTICULATION DEGREE PLAN					
<b>Elgin Community College 2022-2023</b>		<b>Southern Illinois University Carbondale</b>			
AAS Computer Integrated Manufacturing - 66 hrs		Industrial Management & 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
			CMST 101	Intro:Oral Communication	3
ENG 101	English Composition I	3	ENGL 101	English Composition I	T
ENG 102	English Composition II	3	ENGL 102		T
			MATH 108 (Required for BS degree)	College Algebra	3
SOCIAL/BEHAVIORAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
			SOCIAL SCIENCE		3
HUMANITIES/FINE ARTS*	(See SIUC Equivalency Guide)	3	HUMANITIES	(See SIUC Equivalency Guide)	T
			HUMANITIES		NA
			PHYS 203/253A (Required for BS degree)		4
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
<i>Liberal Education courses*</i>		<b>12</b>			<b>22</b>
<b>Program Requirements</b>					
CAD 101	Introduction to Engineering Design	4	<b>Program Requirements</b>		
CAD 120	Introduction to SolidWorks	3			
CAD 121	Advanced Concepts in SolidWorks	3			
IMT 103	Industrial Manufacturing Tech I	3			
IMT 104	Industrial Manufacturing Tech II	3			
IMT 107-or-MTH 107	Technical Math I or Technical Math I	4			
IMT 110	Introduction to CNC Programing I	4			
IMT 112	Metrology - The Study of Measurement	3			
IMT 204	Industrial Manufacturing Tech V	5			
IMT 220	Introduction to CNC Programming II	4			
IMT 221	Introduction to CNC Toolpathing	4			
IMT 222	Adv CNC Programming I	4			
IMT 223	Adv CNC Programming II	4			
IST 105	Electrical Control Circuits	3			
IST 140	Programmable Controllers I	3			
		<b>54</b>			
			PHYS 203/253B	College Physics/Lab	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 307 -or- MATH 140	Applied Calc for Tech -or- Short Course in Calc	3
			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
			<i>**PSYC 323 is an option for on-campus students only &amp; requires PSYC 102 as a prerequisite</i>		<b>55</b>
<b>Total semester hrs completed w/ AAS degree</b>		<b>66</b>	<b>Total semester hrs completed w/ BS degree</b>		<b>77</b>
Degree Plan updated 10/26/2022 LB			<b>Total hours to BS degree:</b>		<b>143</b>