

PROGRAM ARTICULATION DEGREE PLAN					
<b>Elgin Community College</b>	<b>2024-2025</b>		<b>Southern Illinois University Carbondale</b>		
AAS Industrial Manufacturing Technology - 63-64 hrs			BS 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	English Composition II	T
			MATH 108	College Algebra	3
	Social/Behavioral Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
			SOCIAL SCIENCE		3
	Humanities/Fine Arts	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T
			HUMANITIES		NA
			PHYS 203A -and- 253A	College Physics w/Lab	4
			LIFE SCIENCE		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		<b>12</b>			<b>22</b>
<b>Program Requirements</b>			<b>Program Requirements</b>		
CAD 120	Intro to SolidWorks	3	<p><b>The AAS degree in Industrial Manufacturing Technology as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management &amp; Applied Engineering (IMAE).</b></p>		
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 108	Industrial Manufacturing Tech III	3			
IMT 110	Intro to CNC Programming I	4			
IMT 112	Metrology-The Study of Measurement	3			
IMT 204	Industrial Manufacturing Tech V	5			
IMT 220	Intro to CNC Programming II	4			
IMT 221	Intro to CNC Toolpath	4			
Industrial Electives	Select from list of approved courses	11-12			
CAD 101	Intro to Engineering Design	4	ME 102 (elective)	Computer-Aided Engineering Drawing	T
		<b>51-52</b>			
			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
					<b>52</b>
<b>Total semester hrs completed w/AAS degree:</b>		<b>63-64</b>	<b>Total semester hrs completed w/BS degree:</b>		<b>74</b>
			<b>Total hours to BS degree:</b>		<b>137-138</b>
Degree Plan updated on 5/29/24 by SG					