

PROGRAM ARTICULATION DEGREE PLAN				
<b>College of DuPage</b>		<b>2021-2022</b>	<b>Southern Illinois University Carbondale</b>	
AAS Integrated Mechatronics & Manufacturing Technology - 67 hrs			BS Industrial Management and Applied Engineering (IMAE) Quality Management Specialization - 120 hrs	
<b>General Education</b>			<b>University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs</b>	
		<b>Hrs</b>		<b>Hrs</b>
			UNIV 101	Saluki Success
SPEEC 1100	Fundamentals of Speech Communication	3	CMST 101	Intro to Oral Communication
ENGLI 1101	English Composition I	3	ENGL 101	English Composition I
			ENGL 102	English Composition II
MATH 1428	College Algebra w/Applications	3	MATH 108	College Algebra
PSYCH 1100	General Psychology	3	PSYC 102	Intro to Psychology
			SOCIAL SCIENCE	
	Humanities	3	HUMANITIES	See SIUC Transfer Equivalency Guide
			HUMANITIES	
PHYSI 1201	General Physics I	5	PHYS 203A -and- 253A	College Physics w/Lab
			LIFE SCIENCE	
			FINE ARTS	
			HUMAN HEALTH	
	Contemporary Life Skills	2	MULTICULTURAL	See SIUC Transfer Equivalency Guide
		<b>22</b>		<b>9</b>
<b>Program Requirements</b>			<b>Program Requirements</b>	
Program Electives	Choose from ELECT -or- ELMEC Courses	7	<b>Any unarticulated courses will be used to satisfy general elective credit</b>	
ELECT 1100	Electricity & Electronics Fundamentals	3		
ELECT 1101	Circuits I	3		
ELMEC 1110	Motor & Generator Fundamentals	3		
ELMEC 1141	Hydraulics & Pneumatics	3		
ELMEC 1190	Intro to Programmable Logic Controllers	3		
ELMEC 2510	Process & Automation Controls	3		
ELMEC 2520	Industrial Control & Data Acquisition	3		
MANUF 1101	Industrial Design/CAD	3		
MANUF 2251	Computer Numerical Control (CNC)	3		
MANUF 2252	CNC Operations	3		
MANUF 2253	Computer-Aided Manufacturing (CAM)	3		
MANUF 2280	Industrial Safety	2		
MANUF 1151	Machine Shop I	3	IMAE 208	Fundamentals of Manufacturing Processes
		<b>45</b>		
			PHYS 203B -and- 253B	College Physics w/Lab
			IMAE 110	Geometric Dimensioning & Tolerancing
			IMAE 305	Industrial Safety
			IMAE 307 -or- MATH 140	Applied Calculus for Tech -or- Short Course in Calculus
			PSYC 323 or IMAE 340*	Organizational Psychology or Intro to Supervision
			IMAE 375	Production & Inventory Management
			IMAE 390	Cost Estimating
			IMAE 392	Facilities Planning & Workplace Design
			IMAE 442	Fundamentals of Leadership
			IMAE 445	Computer Integrated 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	300/400 level
				<b>49</b>
<b>Total semester hrs completed w/AAS degree:</b>		<b>67</b>	<b>Total semester hrs completed w/BS degree:</b>	
			<b>Total hours to BS Degree:</b>	
				<b>125</b>
			*PSYC 323 instead of IMAE 340 is an option for on-campus students only	
Degree Plan created on 9/21/21 by SG				