

PROGRAM ARTICULATION DEGREE PLAN					
Danville Area Community College		2021-2022	Southern Illinois University Carbondale		
AAS Manufacturing Engineering Technology 64 hrs			BS Industrial Maintenance and Applied Engineering (IMAE) - 120		
			<b>University Core Curriculum (UCC) Capstone Option - 30 hrs</b>		
		<b>Hrs</b>			<b>Hrs</b>
ENGL 101	Rhetoric	3	UNIV 101	Saluki Success	NA
			ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
			CMST 101	Intro to Oral Communication	3
MATH 111	College Algebra	5	MATH 108	College Algebra	T
	IAI Social Science	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
			SOCIAL SCIENCE		3
	IAI Humanities	3	HUMANITIES		T
			HUMANITIES		NA
			PHYS 203A/253A	College Physics/Lab	4
			LIFE SCIENCE GRP II	Students take 2 Physics courses	NA
			FINE ARTS		3
			HEALTH		NA
			MULTICULTURAL		3
		<b>14</b>			<b>16</b>
<b>Program Requirements</b>			<b>Program Requirements</b>		
DRAF 160	Machining Graphics	3	<b>Any unarticulated courses will be used to satisfy general elective credit</b>		
DRAF 162	Techology in Advanced Manufacturing	3			
DRAF 166	Intro to AutoCAD	3			
DRAF 266	Applied AutoCAD	3			
INFO 245	Employment Seminar	1			
INST 101	Success in College	1			
MFRG 160	Machining I	3			
MFRG 162	Machining III	3			
MFRG 168	CNC Setup & Operations	4			
MFRG 169	Intro to CNC Prog	4			
MFRG 170	Applied CNC Programming	4			
MFRG 280	CAD/CAM	3			
Technical Elective		3			
MFRG 161	Machining II	3			
MFRG 100	Industrial Safety	3			
ENGL 122	Technical Communication	3	IMAE 305	Industrial Safety	T
CBUS 150	Business Computer Systems	3	ITEC 366	Apps of Technical Comm	T
			ITEC 229	Computing Business Admin	T
		<b>50</b>	MATH 140 -or- IMAE 307	Short Course in Calculus -or- Applied Calculus for Tech	3-4
			PHYS 203B/253B	College Physics/Lab	4
			PSYC 323 -or- IMAE 340*	Organizational Psychology -or- Introduction to Supervision	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Mfg Processes	3
			IMAE 375	Production & Inventory Mgmt	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Plan/Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer Integrated Mfg	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
					<b>47-48</b>
<b>Total semester hrs completed w/ AAS degree:</b>		<b>64</b>	<b>Total semester hrs completed w/ BS degree:</b>		<b>63-64</b>
			<b>Total hours to BS degree:</b>		<b>127-128</b>
Degree Plan created on 11/16/2021 by SW			*Note: PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		