

PROGRAM ARTICULATION DEGREE PLAN					
<b>Parkland College</b>	<b>2021-2022</b>			<b>Southern Illinois University Carbondale</b>	
AAS Industrial Technology 70-72 hrs				BS Industrial Maintenance and Applied Engineering (IMAE) - 120	
			<b>Hrs</b>	<b>University Core Curriculum (UCC) Capstone Option - 30 hrs</b>	<b>Hrs</b>
ENG 101	Composition	3	UNIV 101	Saluki Success	NA
			ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
COM 103	Introduction to Public Speaking	3	CMST 101	Intro to Oral Communication	T
MAT 124*	College Algebra	3	MATH 108	College Algebra	T
	IAI Social Science	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
			SOCIAL SCIENCE		3
			HUMANITIES		3
PHY 121*	General Physics I	5	HUMANITIES		NA
			PHYS 203A/253A	College Physics/Lab	T
			LIFE SCIENCE GRP II	Students take 2 Physics courses	NA
			FINE ARTS		3
			HEALTH		NA
			MULTICULTURAL		3
*SIUC recommended courses to fulfill BS degree requirements		<b>17</b>			<b>12</b>
<b>Program Requirements</b>			<b>Program Requirements</b>		
CAD 113	Computer-Aided Machine Design I	4	<b>Any unarticulated courses will be used to satisfy general elective credit</b>		
CAD 121	Materials for Industry	3			
CAD 124	Introduction to AutoCAD	3			
MFT 110	Mechanical Assemblies	3			
MFT 113	Intro to Hydraulics and Pneumatics	3			
MFT 127	Intro to CNC Programming - Turning and Milling	4			
MFT 128	Quality Assurance	3			
MFT 131	Intro to Manufacturing	3			
MFT 151	Manufacturing Work Experience I	3			
MFT 152	Manufacturing Work Experience II	3			
MFT 210	Industrial Safety	3			
WLD 111	Intro to Welding	4			
ELECTIVES	Choose from area of specialization	6			
MFT 121	Basic Machine Processes	3			
ELT 150	Intro to Electricity and Electronics	3			
MFT 125**	Principles and Processes of Modern Mnfg	3			
		<b>54</b>			
**SIUC recommended concentration course to fulfill BS degree requirements			EET 150	Intro to EET	T
			IMAE 208	Fundamentals of Mfg Processes	T
			MATH 140 -or- IMAE 307	Short Course in Calculus -or- Applied Calculus for Tech	3-4
			PHYS 203B/253B	College Physics/Lab	4
			PSYC 232 -or- IMAE 340*	Organizational Psychology -or- Introduction to Supervision	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 305	Industrial Safety	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>71</b>	<b>Total semester hrs completed w/ BS degree:</b>		<b>59-60</b>
			<b>Total hours to BS degree:</b>		<b>130-131</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		