

PROGRAM ARTICULATION DEGREE PLAN					
<b>Morton College</b>	<b>2019-2020</b>		<b>Southern Illinois University Carbondale</b>		
AAS Computer Aided Design (MDT) - 66 hrs			BS Industrial Management and 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
ENG 101	Rhetoric I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
SPE 101	Principles of Public Speaking	3	CMST 101	Intro to Oral Communication	T
MAT 105	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra	T
BEHAVIORAL/SOCIAL SCIENCE	See SIUC Equivalency Guide	3	SOCIAL SCIENCE	See SIUC Equivalency Guide	T
BEHAVIORAL/SOCIAL SCIENCE	See SIUC Equivalency Guide	3	SOCIAL SCIENCE	See SIUC Equivalency Guide	T
HUMANITIES/FINE ARTS	See SIUC Equivalency Guide	3	HUMANITIES	See SIUC Equivalency Guide	T
			HUMANITIES		NA
			PHYS 203/253A (Required for BS degree)	College Physics/Lab	4
			LIFE SCIENCE, GRP II		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		<b>19</b>			<b>13</b>
<b>Program Requirements</b>			<b>Program Requirements</b>		
CAD 100	AutoCAD Fundamentals	3	The AAS degree in Computer Aided Design (MDT) as articulated fulfills the 22 hours of technical elective		
CAD 101	Fundamentals of Drafting	3	course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).		
CAD 102 -or- EGR 110	Descriptive Geometry -or- Engineering Graphics I	3			
CAD 103	Sheet Metal and Weldments	3			
CAD 104 -or- EGR 111	Assembly Drawings -or- Engineering Graphics II	3			
CAD 141	AutoCAD Productivity Essentials	3			
CAD 203	Electronics Drafting	3			
CAD 205	Mechanical Design	3			
CAD 215	3D Modeling	3			
CAD 220	Autodesk Inventor	3			
CAD 225	Industrial Applications	3			
CAD 241	AutoCAD Productivity	3			
CAD 253	Successful Career & Life Strategies	2			
MATH ELECTIVE	Choose a College-Level Math Course	3			
CAD ELECTIVES	Choose from approved courses	6			
		<b>47</b>			
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Manufacturing Processes	3
			PHYS 203/253B	College Physics/Lab	4
			IMAE 305	Industrial Safety	3
			IMAE 307	Applied Calculus for Technology	3
			IMAE 340 -or- PSYC 323*	Intro to Supervision -or- Organizational Psychology	3
			IMAE 376	Supply Chain Operations & Logistics	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Planning and 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 Design & Strategy	3
			IMAE Electives	(Must be at 300/400 level)	3
					<b>52</b>
<b>Total semester hrs completed w/ AAS degree</b>		<b>66</b>	<b>Total semester hrs completed w/ BS degree</b>		<b>65</b>
			<b>Total hours to BS degree:</b>		
			*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		<b>131</b>

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