PROGRAM ARTICULATION DEGREE PLAN						
Waubonsee Community College	**2024-2025**			*Southern Illinois University Carbondale*		
AAS Automation Technology - 60 hrs				BS Industrial Management & Applied Engineering (IMAE) - 120 hrs		
				University Core Curriculum (UCC) - Capstone Option - 30 hrs		
		Hrs				**Hrs**
				UNIV 101	Saluki Success	NA
COM 100	Fundamentals of Speech Communication	3		CMST 101	Intro to Oral Communication	T
ENG 101	First-Year Composition I	3		ENGL 101	English Composition I	T
ENG 102	First-Year Composition II	3		ENGL 102	English Composition II	T
MTH 109	Algebra for Business & Social Science	3		MATH 108	College Algebra	T
	Social & Behavioral Sciences	3		SOCIAL SCIENCE	*See SIUC Transfer Equivalency Guide*	T
				SOCIAL SCIENCE		3
				HUMANITIES		3
				HUMANITIES		NA
				PHYS 203A -and- 253A	College Physics w/Lab	4
				LIFE SCIENCE		3
				FINE ARTS		3
				HUMAN HEALTH		NA
				MULTICULTURAL		3
		15				**19**
Program Requirements				**Program Requirements**		
AMT 100	Intro to Manufacturing Automation Systems	3				
AMT 102	Basic Electricity	3				
AMT 110	Machine Fundamentals	3				
AMT 120	Automated Systems I	3				
AMT 121	Automated Systems II	3				
AMT 122	Automated Systems III	3		**The AAS degree in Automation Technology as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).**		
AMT 130	Fluid Power	3				
AMT 200	Automated Programming I	3				
AMT 201	Automated Programming II	3				
EGR 101	Engineering Graphics	3				
MTT 100	Safety Principles	1				
MTT 108	Machining Fundamentals	3				
MTT 110	Print Reading for the Trades	3				
MTT 115	Manual Machine Shop Operations	3				
Electives	Select from list of approved courses	2				
CIS 110	Business Information Systems	3		CS 200B -or- ITEC 1XX (elective)	Computer Concepts -or- ITEC Elective 100-level	T
		45				
				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
						52
Total semester hrs completed w/AAS degree:		**60**		**Total semester hrs completed w/BS degree:**		**71**
				Total hours to BS degree:		**131**
Degree Plan updated on 6/3/24 by SG						