

PROGRAM ARTICULATION DEGREE PLAN					
Waubonsee Community College	2024-2025			Southern Illinois University Carbondale	
AAS Computer Aided Design & Drafting - 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
Major Program Requirements				Program Requirements	
CAD 100	Technical Drawing I	3	The AAS degree in Computer Aided Design & Drafting as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE).		
CAD 102	AutoCAD I	3			
CAD 118 -or- EGR 101	Technical Drawing II -or- Engineering Graphics	3			
MTT 100	Safety Principles	1			
		10			
Emphasis Area* & Electives		Select from: Architectural, Design -or- Mechanical	29		
*Select from list of approved courses					
CAD 120	AutoCAD II	3	ME 102 (elective)	Computer-Aided Engineering Drawing	T
CIS 110	Business Information Systems	3	CS 200B -or- ITEC 1XX (elective)	Computer Concepts -or- ITEC Elective 100-level	T
		6			
			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					