

PROGRAM ARTICULATION DEGREE PLAN				
Southwestern Illinois College	2024-2025		Southern Illinois University Carbondale	
AAS Computer Aided Design General Specialization - 69 hrs			BS Industrial Management & Applied Engineering (IMAE) - 120 hrs	
			University Core Curriculum (UCC) Capstone Option - 30 hrs	
		Hrs		Hrs
			UNIV 101	Saluki Success
COMM 151	Fundamentals of Public Speaking	3	CMST 101	Intro to Oral Communication
ENG 101	Rhetoric & Composition I	3	ENGL 101	English Composition I
			ENGL 102	English Composition II
MATH 112	College Algebra	4	MATH 108	College Algebra
	Social Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide
			SOCIAL SCIENCE	3
	Human Relations Course	3	HUMANITIES	See SIUC Transfer Equivalency Guide
			HUMANITIES	NA
			PHYS 203A -and- 253A	College Physics w/Lab
			LIFE SCIENCE	3
			FINE ARTS	3
	Human Well-Being Course	2	HUMAN HEALTH	See SIUC Transfer Equivalency Guide
			MULTICULTURAL	3
		18		16
Program Requirements			Program Requirements	
CAD 101	Basic Drafting	4	An AAS in Computer Aided Design General Specialization as articulated fulfills the 15 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering (IMAE)	
CAD 102	Intermediate Drafting	4		
CAD 120	Introductory CAD	4		
CAD 220	Advanced CAD I	3		
CAD 221	Advanced CAD II	4		
CAD 222 -or- 231	Machine -or- Architectural CAD Post Assessment	1		
CAD 292	Supervised Internship III	3		
General CAD Specialization Courses	Select from list of approved courses	16		
General CAD Specialization Courses	Select from list of approved courses	12		
		51		
			PHYS 203B -and- 253B	College Physics w/Lab
			IMAE 110	Geometric Dimensioning & Tolerancing
			IMAE 208	Fundamentals of Manufacturing Processes
			IMAE 305	Industrial Safety
			IMAE 307	Applied Calc for Tech
			IMAE 340	Intro to Supervision
			IMAE 375	Production & Inventory Management
			IMAE 390	Cost Estimating
			IMAE 392	Facilities Planning & Workplace Design
			IMAE 442	Fundamentals of Leadership
			IMAE 445	Computer Integrated Manufacturing
			IMAE 450	Project Management
			IMAE 465	Lean Manufacturing
			IMAE 470A	Six Sigma Green Belt I
			IMAE 470B	Six Sigma Green Belt II
			IMAE 476	Supply Chain Management
			IMAE Elective	300/400 level
				52
Total semester hrs completed w/AAS degree		69	Total semester hrs completed w/BS degree	
			Total hours to BS degree:	
				137
<i>Degree Plan updated on 5/10/24 by SG</i>				