

PROGRAM ARTICULATION DEGREE PLAN		Southern Illinois University Carbondale	
City Colleges of Chicago 2021-2022		BS Industrial Management and Applied Engineering (IMAE) - 120 hrs	
AAS CAD Technology - 60+ hours		University Core Curriculum (UCC) Capstone Option - 30 hrs	
		Hrs	Hrs
		UNIV 101	Saluki Success
		CMST 101	Intro to Oral Communication
ENGLISH 101	Composition	3	ENGL 101
			ENGL 102
MATH 140	College Algebra	4	MATH 108 (Required for BS degree)
			SOCIAL SCIENCE
			SOCIAL SCIENCE
	IAI HUMANITIES or FINE ARTS	3	HUMANITIES (See SIUC Equivalency Guide)
			HUMANITIES
PHYSICS 231	General Physics I: Mechanics & Wave Motion	4	PHYS 203/253A (Required for BS degree)
			LIFE SCIENCE
			FINE ARTS
			HUMAN HEALTH
			MULTICULTURAL
		14	15
Program Requirements		Program Requirements	
CAD TEC 130	CAD Technology I	3	The AAS degree in CAD Technology as articulated fulfills the 22 hours of technical electives required for the BS degree in Industrial Management and Applied Engineering (IMAE).
CAD TEC 170	CAD Technology II	3	
CAD TEC 171	CAD Technology III	3	
CAD TEC 172	CAD Technology IV	3	
CIS 103	Fundamentals of Programming	3	
CIS 116	Operating System I	3	
CIS 120	Intro to Microcomputers	3	
CIS 123	Microcomputer Spreadsheets	3	
ENGR 100	Elements of Engineering Drawing	3	
ENGR 110	Introductory Drafting	2	
ENGR 111	Intro to the Engineering Profession	2	
ENGR 131	Engineering Graphics & Intro to Design	3	
ENGR 132	Descriptive Geometry	3	
ENGR 190	Computer Applications in Engineering	3	
ENGR 202	Advanced Drafting & Basic Machine Design	3	
MATH 141	Plane Trigonometry	3	
		46	
		PHYS 203/253B	College Physics/Lab
		IMAE 110	Geometric Dimensioning & Tolerancing
		IMAE 208	Fundamentals of Manufacturing Processes
		IMAE 305	Industrial Safety
		IMAE 307 -or- MATH 140	Applied Calc for Tech -or- Short Course in Calc
		IMAE 340 -or- PSYC 323*	Intro to Supervision -or- Organizational Psychology
		IMAE 375	Production & Inventory Management
		IMAE 390	Cost Estimating
		IMAE 392	Facilities Plan/Workplace Design
		IMAE 442	Fundamentals of Leadership
		IMAE 445	Computer-Aided Manufacturing
		IMAE 450	Project Management
		IMAE 465	Lean Manufacturing
		IMAE 470A	Six Sigma Green Belt
		IMAE 470B	Six Sigma Green Belt II
		IMAE 476	Supply Chain Management
		IMAE Electives	(Must be at 300/400 level)
			55-56
Total semester hrs completed w/ AAS degree		60	Total semester hrs completed w/ BS degree:
			70-71
		Total hours to BS degree:	
			130-131
*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite			