

PROGRAM ARTICULATION DEGREE PLAN				
College of DuPage		2021-2022	Southern Illinois University Carbondale	
AAS Manufacturing Technology Drafting/Design - 67 hrs			BS Industrial Management and Applied Engineering (IMAE) Quality Management Specialization - 120 hrs	
General Education			University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs	
		Hrs		Hrs
SPEEC 1100	Fundamentals of Speech Communication	3	UNIV 101	Saluki Success
ENGLI 1101	English Composition I	3	CMST 101	Intro to Oral Communication
			ENGL 101	English Composition I
			ENGL 102	English Composition II
MATH 1428	College Algebra w/Applications	3	MATH 108	College Algebra
PSYCH 1100	General Psychology	3	PSYC 102	Intro to Psychology
			SOCIAL SCIENCE	
	Humanities	3	HUMANITIES	See SIUC Transfer Equivalency Guide
			HUMANITIES	NA
PHYSI 1201	General Physics I	5	PHYS 203A -and- 253A	College Physics w/Lab
			LIFE SCIENCE	
			FINE ARTS	
			HUMAN HEALTH	NA
	Contemporary Life Skills	2	MULTICULTURAL	See SIUC Transfer Equivalency Guide
		22		9
Program Requirements			Program Requirements	
Program Electives	Choose from list of courses	10	Any unarticulated courses will be used to satisfy general elective credit	
ELECT 1100	Electricity & Electronics Fundamentals	3		
MANUF 1101	Industrial Design/CAD	3		
MANUF 1104	Technical Mechanics	2		
MANUF 1121	Physical Metallurgy	3		
MANUF 1180	Quality Control	3		
MANUF 2206	Mechanical Computer-Aided Drafting/Design	3		
MANUF 2207	Tool Design	3		
MANUF 2208	Mechanical Design Portfolio	3		
MANUF 1151	Machine Shop I	3		
MANUF 2201 (Program Elective)	Geometric Dimensioning & Tolerancing	3	IMAE 209	Manufacturing Process Laboratory
MANUF 2202	Solid Modeling & Design	3	IMAE 110	Geometric Dimensioning & Tolerancing
MANUF 2203	Manufacturing Processes & Design	3	IMAE 2XX	IMAE Tech Elective 200-level
		45	IMAE 208	Fundamentals of Manufacturing Processes
			PHYS 203B -and- 253B	College Physics w/Lab
			IMAE 305	Industrial Safety
			IMAE 307 -or- MATH 140	Applied Calculus for Tech -or- Short Course in Calculus
			PSYC 323 or IMAE 340*	Organizational Psychology or 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 Electives	300/400 level
				46
Total semester hrs completed w/AAS degree:		67	Total semester hrs completed w/BS degree:	
				55
			Total hours to BS Degree:	
				122
			*PSYC 323 instead of IMAE 340 is an option for on-campus students only	
Degree Plan updated on 10/18/21 by SG				