

PROGRAM ARTICULATION DEGREE PLAN					
Oakton Community College 2019-2020		Southern Illinois University Carbondale			
AAS Mechanical Design/CAD - 61 hours		BS Industrial Management and Applied Engineering (IMAE) - 120 hrs			
		University Core Curriculum (UCC) Capstone Option - 30 hrs			
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
SPE 103	Effective Speech	3	CMST 101	Intro to Oral Communication	T
EGL 101	Composition I	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MAT 140	College Algebra	3	MATH 108 (Required for BS degree)	College Algebra	T
SOCIAL SCIENCE	(See SIUC Equivalency Guide)	3	SOCIAL SCIENCE		T
			SOCIAL SCIENCE		3
HUMANITIES/FINE ARTS	(See SIUC Equivalency Guide)	3	HUMANITIES		T
			HUMANITIES		NA
PHY 101 -or- PHY 131	Applied Physics -or- College Physics I	4	PHYS 203/253A (Required for BS degree)	College Physics/Lab	T
			LIFE SCIENCE, GRP II		3
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		19			12
Program Requirements			Program Requirements		
CAD 116	Basic AutoCAD	3	The AAS degree in Mechanical Design/CAD as articulated fulfills the 22 hrs of technical elective		
CAD 117	Intermediate AutoCAD	4	course requirements for the BS degree in Industrial Management & Applied Engineering.		
CAD 118	Advanced AutoCAD	4			
CIS 101	Introduction to Computer Information Systems	3			
ENG 120	Engineering Graphics	3			
MEC 105	Processes and Materials	3	IMAE 208 (Required for BS degree)	Manufacturing Processes	T
MEC 220	Elements of Machine Design	3			
MEC 230	Statics and Strength of Materials	3			
PROGRAM ELECTIVES	Approved CAD/FME/GIS/MEC/MFG courses	16			
		42			
			PHYS 203B/253B	College Physics/Lab	4
			IMAE 110	Geometric Dimensioning and Tolerancing	3
			IMAE 305	Industrial Safety	3
			IMAE 307 -or- MATH 140	Applied Calculus for Technology -or- Short Course in Calculus	3
			IMAE 340 -or- PSYC 323*	Intro to Supervision -or- Organizational Psychology	3
			IMAE 376	Supply Chain Operations & Logistics	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 Design & Strategy	3
			IMAE Electives	(Must be at 300/400 level)	3
					49
Total semester hrs completed w/ AAS degree		61	Total semester hrs completed w/ BS degree		61
			Total hours to BS degree:		122
			*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		