

PROGRAM ARTICULATION DEGREE PLAN			
Oakton Community College 2019-2020		Southern Illinois University Carbondale	
AAS Supply Chain Automation - 64 hours		BS Industrial Management and Applied Engineering (IMAE) - 120 hrs	
		University Core Curriculum (UCC) Capstone Option - 30 hrs	
		Hrs	Hrs
EGL 101	Composition I	3	UNIV 101 Saluki Success English Composition I T
SPE 103	Effective Speech	3	ENGL 101 English Composition I NA
MAT 140	College Algebra	3	ENGL 102 English Composition II NA
SOCIAL/BEHAVIORAL SCIENCE	(See SIUC Equivalency Guide)	3	CMST 101 Intro to Oral Communication T
HUMANITIES/FINE ARTS	(See SIUC Equivalency Guide)	3	MATH 108 (Required for BS degree) College Algebra T
PHY 101 -or- PHY 131	Applied Physics -or- College Physics I	4	SOCIAL SCIENCE SOCIAL SCIENCE 3
			HUMANITIES HUMANITIES T
			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
*Student must choose courses that fulfill both the Global Studies and U.S. Diversity Studies requirements			
Program Requirements		Program Requirements	
ELT 101	Introduction to Electronics	5	The AAS degree in Supply Chain Automation as articulated fulfills the 22 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering.
ELT 107	Survey of Electronics	3	
ELT 231	Fundamentals of Microprocessors	3	
MEC 220	Elements of Machine Design	3	
MFG 102	Industrial Drafting and Design	3	
MFG 112	Automated Storage and Distribution	3	
MFG 120	Introduction to Welding	4	
MFG 135	Hydraulics, Pneumatics and Controls	3	
MFG 240	Programmable Controllers (PLC)	4	
MFG 245	Programmable Automation Controllers (PAC)	4	
PROGRAM ELECTIVES	Choose 10 hours from CNS 105; ELT 120; GIS/EAS 190; MFG 110, 140, 220, 250; MGT 155, 156	10	
		45	
			PHYS 203B/253B College Physics/Lab 4
			IMAE 110 Geometric Dimensioning and Tolerancing 3
			IMAE 208 Manufacturing Processes 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
Total semester hrs completed w/ AAS degree		64	Total semester hrs completed w/ BS degree 64
			Total hours to BS degree: 128
			*PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite