

PROGRAM ARTICULATION DEGREE PLAN					
Lewis & Clark Community College 2021-2022				Southern Illinois University Carbondale	
AAS Instrumentation and Control Systems - 60 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
SPC 131 -or- SPC 145	Public Speaking -or- Public and Private Communication	3	CMST 101	Intro to Oral Communication	T
ENGL 131	First Year English	3	ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
MATH 131*	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra	T
	IAI Social Science	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
			SOCIAL SCIENCE		3
	IAI Humanities/Fine Arts	3	HUMANITIES	(See SIUC Equivalency Guide)	T
			HUMANITIES		NA
PHYS 125	Applied Physics I	4	PHYS 203/253A (Required for BS degree)	College Physics/Lab	T
			LIFE SCIENCE, GRP II	Students take 2 physics courses	NA
			FINE ARTS		3
			HUMAN HEALTH		NA
			MULTICULTURAL		3
		20			9
*Recommended to fulfill SIUC BS degree requirements					
Program Requirements			Program Requirements		
INST 131	DC Fundamentals in Electricity	3	The AAS degree in Instrumentation and Control Systems as articulated fulfills the 22 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering.		
INST 132	AC Fundamentals in Electricity	3			
INST 133	Digital Electronics	6			
INST 135	Motor Controls	3			
INST 231	PLC Programming	3			
INST 233	Instrumentation I	3			
INST 235	Instrumentation II	3			
INST 237	Final Control Elements	3			
INST 239	PID Control	3			
INST 271	Instrumentation Tech Internship	1-3			
Elective	See Approved Electives List	10			
		41-43			
			PHYS 203/253B	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 Calc for Tech -or- Short Course in Calc	3-4
			IMAE 340 -or- PSYC 323**	Intro to Supervision -or- Organizational Psychology	3
			IMAE 375	Production & Inventory Mgmt	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Planning & Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer-Aided 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 Elective	(Must be at 300/400 level)	6
					55-56
Total semester hrs completed w/ AAS degree		61-63	Total semester hrs completed w/ BS degree		64-65
			Total hours to BS degree:		125-128
Degree plan created by SW 2/8/2022		**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite			