

PROGRAM ARTICULATION DEGREE PLAN							
Lewis & Clark Community College 2021-2022		Southern Illinois University Carbondale					
AAS Process Operations Technology: Petroleum - 61 hours		BS Industrial Management and Applied Engineering (IMAE) - 120 hrs					
		University Core Curriculum (UCC) Capstone Option - 30 hrs					
	Hrs		Hrs				
SPCH 131 -or- SPCH 145	Public Speaking -or- Public and Private Communication	3	UNIV 101	Saluki Success	NA		
ENGL 131	First-Year English I	3	CMST 101	Intro to Oral Communication	T		
			ENGL 101	English Composition I	T		
MATH 131*	College Algebra	4	ENGL 102	English Composition II	NA		
ECON 151 -or- ECON 152	Principles of Macroeconomics -or- Principles of Microeconomics	3	MATH 108 (Required for BS degree)	College Algebra	T		
			ECON 241 -or- ECON 240	Intro to Macroeconomics -or- Intro to Microeconomics	T		
			SOCIAL SCIENCE		3		
	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					
CHEM 130 -or- CHEM 131	Fund of Gen, Organic & Biochem OR Intro to Chem I	4	The AAS degree in Process Operations Technology - Petroleum as articulated fulfills the 22 hrs of technical elective course requirements for the BS degree in Industrial Management & Applied Engineering.				
FIRE 110	Fire Crew Rookie School	1					
ITEC 131	Computer Technology I	4					
PRCS 131	Introduction to Process Technology	3					
PRCS 133	Process Technology Equipment I	2					
PRCS 134	Process Technology Equipment II	2					
PRCS 151	Process Instrumentation Control I	3					
PRCS 231	Quality Control	2					
PRCS 252	Process Instrumentation Control II	3					
PRCS 255	Process Technology Systems	3					
PRCS 256	Process Technology Operations	3					
PRCS 265	Process Troubleshooting	4					
PRCS 271	Process Technology Internship	1					
BUSN 141	Business and the Legal Environment	3			IST 208	Applied Law for Tech Careers	T
PRCS 135	Safety, Health and Environment	3			IMAE 305 (Required for BS degree)	Industrial Safety	T
		41					
					PHYS 203/253B	College Physics/Lab	4
					IMAE 110	Geometric Dimensioning and Tolerancing	3
			IMAE 208	Manufacturing Processes	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		
					52-53		
Total semester hrs completed w/ AAS degree		61	Total semester hrs completed w/ BS degree		61-62		
Degree plan created by SW 1/3/2022			Total hours to BS degree:		122-123		
			**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite				