

PROGRAM ARTICULATION DEGREE PLAN					
Richland Community College		2021-2022		Southern Illinois University Carbondale	
AAS Engineering Technology - Sequestration Specialty - 67 hrs				BS Industrial Management and Applied Engineering (IMAE) - 120 hrs	
			University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs			Hrs
ENGL 101	English Composition I	3	UNIV 101	Saluki Success	NA
			ENGL 101	English Composition I	T
			ENGL 102	English Composition II	NA
COMM 101	Public Speaking	3	CMST 101	Intro to Oral Communication	T
MATH 116*	College Algebra	4	MATH 108 (Required for BS degree)	College Algebra	T
			SOCIAL SCIENCE		3
			SOCIAL SCIENCE		3
			HUMANITIES		3
			HUMANITIES		NA
EASCI 220	Intro to Physical Geography	4	GEOL 220/223	The Dynamic Earth/Geology Lab	T
BIOL 210	Environmental Biology	4	PLB 301I	Environmental Issues	T
			FINE ARTS		3
			HUMAN HEALTH		NA
*Recommended to fulfill BS requirement			MULTICULTURAL		3
		18			15
Program Requirements			Program Requirements		
CCS 115	Intro to Carbon Capture & Storage	3	The AAS degree in Engineering Technology - Sequestration as articulated fulfills the 22 hrs of technical electives required for the BS degree in Industrial Management & Applied Engineering.		
CCS 275	Advanced Sequestration Applications	4			
ENGT 101	Motor Control Fundamentals	4			
ENGT 103	Fluid Power Fundamentals	3			
ENGT 105	Occupational Safety	3			
ENGT 111	Motor Control Applications	4			
ENGT 120	Process Control Fundamentals	3			
ENGT 131	Maintenance Fundamentals	4			
ENGT 160	Metrology and Quality Control	3			
ENGT 210	PLC Fundamentals	4			
ENGT 220	Process Control Applications	3			
ENGT 231	Piping Fundamentals	2			
ENGT 234	Pump Applications	2			
ENGT 102	Blueprint Reading	3			
MATH 113	Intro to Applied Statistics	4			
		49	IMAE 110 (Required for BS degree)	Geometric Dimensioning & Tolerancing	T
			MATH 282	Intro to Statistics	T
			PHYS 203/253A	College Physics/Lab	4
			PHYS 203B/253B	College Physics/Lab	4
			IMAE 208	Fundamentals of Manufacturing Processes	3
			IMAE 305	Industrial Safety	3
			IMAE 307 -or- MATH 140	Applied Calculus for Technology -or- Short Course in Calculus	3-4
			IMAE 340 -or- PSYC 323**	Intro to Supervision -or- Organizational Psychology	3
			IMAE 375	Production & Inventory Management	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 Management	3
			IMAE Electives	(Must be at 300/400 level)	6
					56-57
Total semester hrs completed w/ AAS degree		67	Total semester hrs completed w/ BS degree		71-72
<i>Degree Plan created 2/28/2022 by SW</i>			Total hours to BS degree:		138-139
**PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite					