PROGRAM ARTICULATION DEGREE PLAN

Danville Area Community College	***2021-2022***		***Southern Illinois University Carbondale***		
AAS Wind Energy Technician - 67 hrs			BS Industrial Maintenance and Applied Engineering (IMAE) - 120 hrs		
			University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs			**Hrs**
			UNIV 101	Saluki Success	NA
			ENGL 101	English Composition I	3
			ENGL 102	English Composition II	NA
			CMST 101	Intro to Oral Communication	3
MATH 111	College Algebra	5	MATH 108	College Algebra	T
	IAI Social Science	3	SOCIAL SCIENCE	*(See SIUC Equivalency Guide)*	T
			SOCIAL SCIENCE		3
	IAI Humanities	3	HUMANITIES		T
			HUMANITIES		NA
			PHYS 203A/253A	College Physics/Lab	4
			LIFE SCIENCE GRP II	Students take 2 Physics courses	NA
			FINE ARTS		3
			HEALTH		NA
			MULTICULTURAL		3
		11			**19**
Program Requirements			**Program Requirements**		
ELEC 160	Intro to Electricity/Electronics	5	EET 150	Intro to EET	T
ELEC 273	Digital Electronics	4	EET 238	Digital System Fundamentals	T
MFRG 100	Industrial Safety	3	IMAE 305	Industrial Safety	T
ENGL 122	Technical Communication	3	ITEC 366	Apps of Technical Comm	T
ELEC 250	Pneumatics & Controls	4			
ELEC 269	Programmable Controllers	3			
ENGL 121	Communication Skills	3			
INFO 245	Employment Seminar	1			
INST 101	Success in College	1			
MFRG 105	Intro to Maintenance	3			
MFRG 220	Mechanical Diagnosis and Repair	4	**Any unarticulated courses will be used to satisfy general elective credit**		
MFRG 230	Electrical Diagnosis and Repair	4			
MFRG 231	Hydraulics	4			
WIND 100	Intro to Wind Energy	4			
WIND 150	Wind Turbine Mats and Electro Mech Equip	4			
WIND 200	Wind Power Delivery Systems	4			
WIND 250	Wind Turbine Troubleshooting	4			
		58	MATH 140 -or- IMAE 307	Short Course in Calculus -or- Applied Calculus for Tech	3-4
			PHYS 203B/253B	College Physics/Lab	4
			PSYC 323 -or- IMAE 340[+]	Organizational Psychology -or- Introduction to Supervision	4
			IMAE 110	Geometric Dimensioning & Tolerancing	3
			IMAE 208	Fundamentals of Mfg Processes	3
			IMAE 375	Production & Inventory Mgmt	3
			IMAE 390	Cost Estimating	3
			IMAE 392	Facilities Plan/Workplace Design	3
			IMAE 442	Fundamentals of Leadership	3
			IMAE 445	Computer Integrated Mfg	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
					47-48
Total semester hrs completed w/ AAS degree:		**69**	**Total semester hrs completed w/ BS degree:**		**66-67**
			Total hours to BS degree:		**135-136**
Degree Plan created on 11/16/2021 by SW			[+]Note: PSYC 323 is an option for on-campus students only & requires PSYC 102 as a prerequisite		