

ASSOCIATE OF ARTS DEGREE

Alternative Energy - Wind

The Alternative Energy Wind Program provides engineering and science students with a unique applied foundation in renewable energy technology. The program emphasizes wind turbine technology. The curriculum below is designed to give the student a strong footing for employment or transfer to any of our cooperative programs that are available at Missouri State University, Missouri University of Science and Technology (Rolla), and Pittsburg State University. Students in the Alternative Energy program include engineering, science, and technology majors.

Orientation		1 hour	
COLL	101*		
Communications		9 hours	
Written Communications (6 hours)		OR	
ENGL	101*	ENGL	103*
ENGL	102*		
Oral Communications (3 hours)			
SPCH	101		
Humanities		9 hours	
Fine Arts (3 hours)		Additional Humanities (3 hours)	
ART	101	ART	101
MUSC	101	ENGL	109, 120, 125
TA	205	FREN	101
Literature (3 hours)		HIST	101
ENGL	109, 120, 125	HUM	102, 103
		MUSC	101
		PHIL	101, 110, 121, 201, 202
		SPAN	101
		TA	205
Mathematics		5 hours	
MATH	111* & 112*	MATH	150* & 160*
Physical Education		2 hours	
PE	113	OR two of the following:	
		PE	102, 103, 110, 111, 114, 135, 144, 145
		PE	104, 105, 116, 204*, 205*, 216*
Science		10 hours	
Biological Science (5 hours)		Physical Science (5 hours)	
BIOL	101, 110, 120	CHEM	101, 111*
		PHYS	101, 190*
Social and Behavioral Science 9 hours			
Missouri Constitution (3 hours)		OR	
PLSC	103, 104*	HIST	106
Additional Social Science (3 hours)			
ECON	202		
Additional (3 hours)			
ECON	201	PLSC	103, 104*, 205
GEOG	101	PSYC	101, 210*, 215*
HIST	101, 102, 106, 107	SOC	101, 102*, 103
PHIL	110, 121		
Major Courses 18 hours			
ENER	132 Introduction to Wind (3)	CNS	101 Introduction to Electronics (3)
ENER	134 Turbine Troubleshooting (3)	CONS	283 Advanced Electricity I (3)
ENER	232 Wind Turbine Internship (3)		
Approved Electives (3 hours)			
ENER	156, 157, 158 Projects (1-3)		
ENER	256, 257, 258 Projects (1-3)		
NOTES: NCCER registration is available for CONS 283 with the addition of CONS 105.			
ENER 132, CNS 101, and CONS 283 are prerequisites for ENER 134. ENER 134 is a prerequisite for ENER 232			

Posted: 9-16-09 please consult our [college catalog](#) for the latest information on this program.