

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. Students are required to take a certification exam given as part of the ENER 232 course and report their score to the College for Completion of this degree program. Students are strongly encouraged to contact the Wind Instructor for advisement before beginning this program.

Orientation		1 hour	
COLL	101*		
Communications		9 hours	
Written Communications (6 hours)			
ENGL	101*		
ENGL	102*	OR	ENGL 104*
Oral Communications (3 hours)			
SPCH	101*		
Humanities		9 hours	Additional Humanities (3 hours)
Fine Arts (3 hours)			
ART	101		ART 101
MUSC	101		ASL 101, 102
TA	205		ENGL 109, 120, 125
Literature (3 hours)			
ENGL	109, 120, 125		FREN 101
			HIST 101
			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	OR two of the following:
PE	113		102, 103, 104, 105, 110, 111, 114, 116, 117, 118, 144, 145, 204*, 205*, 216*, 244*, 245*
Science		10 hours	
Biological Science (5 hours)		Physical Science (5 hours)	
BIOL	101	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, 103
PHIL	110, 121		
Major Courses		20 hours	
ENER	105 Intro to Energy (3)	AMT	102 Introduction to Industrial Electricity (3)
ENER	132 Introduction to Wind (3)	AMT	112 Occupational Safety (3)
ENER	134 Turbine Troubleshooting* (3)	CNS	101 Introduction to Electronics (3)
ENER	232 Wind Turbine Internship* (3)		

*Prerequisite requirement