

## ASSOCIATE OF APPLIED SCIENCE DEGREE

### Alternative Energy - Wind

The Alternative Energy Program AAS Degree provides students with a unique applied foundation in renewable energy technology. The program's emphasis on vocational wind turbine technology 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 or 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.

<b>Orientation</b>		<b>1 hour</b>	
COLL	101	College Orientation (1)	
<b>Communications</b>		<b>9 hours</b>	
<b>Written Communications (6 hours)</b>			
ENGL	100	Mechanics of Composition (3)	
ENGL	101*	English Composition (3)	
ENGL	102	Advanced English Composition (3)	
ENGL	203*	Technical Report Writing (3)	
<b>Oral Communications (3 hours)</b>			
SPCH	101*	Fundamentals of Speech	
<b>Mathematics</b>		<b>3 hours</b>	
MATH	104*	Technical Mathematics (3)	
or	MATH	111* College Algebra (3)	
<b>Science</b>		<b>4 hours</b>	
PHYS	101	Survey of Physical Science (5)	
or	PHYS	104 Technical Physics (4)	
<b>Missouri Constitution</b>		<b>3 hours</b>	
PLSC	103, 104*	Nat'l, State, Local Govt (3)	OR HIST 106 U.S. History I (3)
<b>Required Courses</b>		<b>38 hours</b>	
AMT	102	Introduction to Industrial Electricity (3)	
AMT	112	Occupational Safety (3)	
AMT	204	Programmable Controllers* (3)	
BSAD	103	Professional Development (2)	
CNS	101	Introduction to Electronics (3)	
CNS	115	CISCO Networking I (3)	
CONS	105	Introduction to Construction (3)	
CONS	231	Site Layout I* (3)	
DIES	134	Diesel Hydraulics (4)	
ENER	105	Introduction to Energy (3)	
ENER	132	Introduction to Wind (3)	
ENER	134	Turbine Troubleshooting* (3)	
ENER	232	Wind Turbine Internship* (3)	
<b>Approved Electives</b>		<b>3 hours</b>	
BSAD	125	Computer Applications (3)	
CONS	243	Construction Project Supervision (3)	
CONS	253	Construction Project Manager (3)	
ENER	156, 157, 158	Projects (1-3)	
LOC	206	Career Exploration (2)	

\*Prerequisite requirement