ASSOCIATE OF APPLIED SCIENCE DEGREE

Alternative Energy - Solar

The Alternative Energy-Solar AAS degree provides students with a unique applied foundation in solar technologies. The program covers all aspects of solar technologies and 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-Solar program include engineering, science, and technology majors. Students are required to take the entry level NABCEP Solar PV exam given as part of the ENER 260 course. Students must also report their score to the College for completion of this degree program.

Orientation			***1 hour***
	COLL	101	College Orientation (1)
Communications			***9 hours***
	Written Communications (6 hours)		
	ENGL	100	Mechanics of Composition (3)
	ENGL	101*	English Composition (3)
	ENGL	102*	Advanced English Composition (3)
	ENGL	203*	Technical Report Writing (3)
	Oral Communications (3 hours)		
	SPCH	101*	Fundamentals of Speech
Mathematics			***3 hours***
	MATH	104*	Technical Mathematics (3)
	MATH	111*	College Algebra (3)
Science			***5 hours***
	PHYS	101	Survey of Physical Science (5)
Missouri Constitution			***3 hours***
	HIST	106	U.S. History I (3)
	PLSC	103, 104*	Nat'l, State, Local Govt (3)
Required Courses			***37 hours***
	AMT	112	Occupational Safety (3)
	BSAD	103	Professional Development (2)
	CNS	101	Introduction to Electronics (3)
	CONS	105	Introduction to Construction (3)
	CONS	132	Plumbing I* (3)
	CONS	142	Electrical I* (3)
	DRFT	101	Intro to Engineering Drawing (3)
	ENER	105	Intro to Energy (3)
	ENER	150	Passive Solar Systems (3)
	ENER	151	Passive Solar Systems Lab (2)
	ENER	250	Solar Thermal Systems* (3)
	ENER	251	Solar Thermal Systems Lab* (2)
	ENER	260	Solar Electric Systems* (3)
	ENER	261	Solar Electric Systems Lab*(2)
Approved Electives			***5 hours***
	AMT	102	Introduction to Industrial Electricity (3)
	CONS	243	Construction Project Supervision (3)
	CONS	245	Project Management (3)
	CONS	144	Electrical II (3)
	CONS	134	Plumbing II (3)
	DRFT	103	Technical Drawing (3)
	ENER	156, 157, 158	Projects (1-3)

*Prerequisite requirement