

## 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 emphasizes 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.

<b>Orientation</b>		<b>1 hour</b>
COLL	101 College Orientation	
<b>Communications</b>		<b>9 hours</b>
<b>Written Communications (6 hours)</b>		
ENGL	101* English Composition	(3)
ENGL	203* Technical Report Writing	(3)
<b>Oral Communications (3 hours)</b>		
SPCH	101 Fundamentals of Speech	(3)
<b>Mathematics</b>		<b>3 hours</b>
MATH	104* Technical Mathematics	(3)
<b>or</b>	MATH	111 College Algebra (3)
<b>Missouri Constitution</b>		<b>3 hours</b>
PLSC	103 National, State, Local Government	(3)
<b>Science</b>		<b>4 hours</b>
PHYS	104 Technical Physics	(4)
<b>Required Courses</b>		<b>38 hours</b>
BSAD	103 Professional Development	(2)
CNS	101 Introduction to Electronics	(3)
CON		
S	105 Introduction to Construction	(3)
CON		
S	143 Basic Electricity	(3)
CON		
S	133 Basic Plumbing	(3)
CON		
S	283 Advanced Electricity I	(3)
<b>OR</b>	CONS	273 Advanced Plumbing I (3)
	DRFT	101 Intro to Engineering Drawing (3)

ENER	105 Intro to Solar (3)
ENER	150 Passive Solar Systems (3)
ENER	151 Passive Solar Systems (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**

**3 hours**

	BSAD	125 Business Computer Applications (3)
	DRFT	103 Technical Drawing (3)
	CONS	243 Construction Project Supervision (3)
	CONS	253 Construction Project Management (3)
	CONS	283 Advanced Electricity I (3)
<b>OR</b>	CONS	273 Advanced Plumbing I (3)

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