

## ASSOCIATE OF APPLIED SCIENCE DEGREE

### **Alternative Energy- Biofuels**

The Biofuels Program AAS Degree provides students with a unique applied foundation in renewable energy technology. The program's emphasis on vocational Biofuel 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.

<b>Orientation</b>	<b>1 hour</b>
<b>OR</b>	COLL 101 College Orientation AGRI 111 Career Development

<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	111 College Algebra (3)
or	MATH	104 Technical Mathematics (3)
<b>Science</b>		<b>10 Hours</b>
	CHEM	101 Survey of Chemistry (5)
	BIOL	101 General Biology (5)
<b>Missouri Constitution</b>		<b>3 hours</b>
	PLSC	103 National, State, Local Government (3)
or	HIST	106 U.S. History I (3)
<b>Required Courses</b>		<b>35 hours</b>
	AGEC	123 Prin of Ag Econ (3)
	AGEC	223 Ag Computer Apps (3)
<b>OR</b>	BSAD	125 Business Comp Apps (3)
<b>OR</b>	COMP	120 Computer Apps (3)
	AGRN	113 Crop Science (3)
	AGRN	223 Grain Crops (3)
<b>OR</b>	AGRN	243 Forage Crops (3)
	ANSC	230 Agri Waste Management (3)
	DRFT	101 Engineering Drawing (3)
	AGRI	202 Agriculture Capstone (2)
<b>OR</b>	BSAD	103 Professional Development (2)
	ENER	140 Introduction to Biofuels (3)
	ENER	242 Biodiesel Production (3)
	ENER	244 Fuel Bioethanol Production (3)
	ENER	246 Biogas Production (3)
	ENER	248 Biofuels System Technology (3)

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