

Systems Service

Engineering Technologies Division

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The Higher Learning Commission
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Systems Service

Associate of Applied Science in Alternative Energy Technology

Due to rising fuel costs and the depletion of our earth's natural resources, there is an increasing interest in alternative energy technologies. Regional and national legislation is requiring a shift to alternative and renewable energy sources. The manufacturing core is shifting toward solar, biomass, wind and other alternative energy technologies. As industry shifts, a large workforce will need developed and/or retrained for new jobs; new jobs in the area of alternative energy technology.

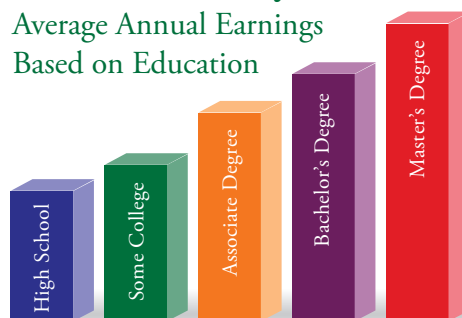
This program will prepare individuals for different technical careers in alternative energy related fields. This may include the specification and installation of various alternative energy systems or the maintenance and repair of these systems. This program will also be a path to transfer into similar or related four-year engineering technology programs.

Career Outlook

Currently there is a large amount of research in alternative energy technology. With the innovation of this technology, there will be a need for individuals who can install, service, maintain and repair these systems in machines and building structures.

Education Pays

Average Annual Earnings
Based on Education



2011-2012

Based on data from the Bureau of Labor Statistics

Program Sequence

First Semester

		<i>Credits</i>
ENG111	Composition I	3
MTH109	College Algebra	3
MET100	Introduction to Engineering Technologies	2
+ MET110	Print Reading and Sketching	3
+ IND120	Industrial Electricity I	3
+ AET100	Introduction to Alternative Energy	3
		17

Second Semester

		<i>Credits</i>
ENG112	Composition II	3
IND103	Applied Geometry and Trigonometry	3
+ IND121	Industrial Electricity II	3
+ AET110	Energy Audit	3
	Communications Elective	3
		15

Third Semester

		<i>Credits</i>
+ IND131	Industrial Pipefitting	3
PHY101	Principles of Physical Science	4
+ INT120	HVAC-R I	3
CAD111	CAD I	4
+	Alternative Energy Technology Elective	4
	Social/Behavioral Science Elective	3
		21

Fourth Semester

		<i>Credits</i>
+ AET290	Alternative Energy Capstone	4
+ INT221	HVAC-R III Heating Systems	3
+	Alternative Energy Technology Elective	4
+	Technical Elective	3
	Humanities Elective	3
		17

Total Program Credit Hours **70**

+ Students must attain a minimum grade of "C" in all courses with a '+' to progress in the program and to graduate.

Course curriculum is subject to change. Please consult with an Academic Advisor for up-to-date information.

