

Systems Service Certificate

Engineering Technologies Division

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The Higher Learning Commission
(312) 263-0456

www.ncahigherlearningcommission.org



Systems Service Certificate 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.

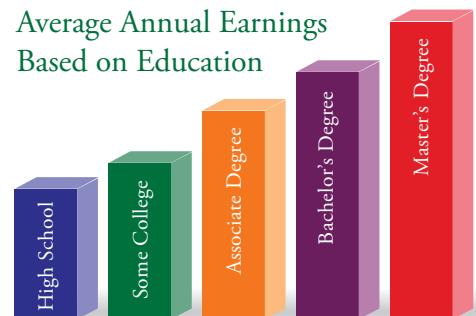
This program will prepare individuals for different technical positions in alternative energy related fields along with a path to transfer into related two-year associate degree programs.

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 Credits

ENG111	Composition I	3
MET100	Introduction to Engineering Technologies	2
+ AET100	Introduction to Alternative Energy	3
		8

Second Semester Credits

+ MET110	Print Reading and Sketching	3
+ IND120	Industrial Electricity I	3
+ AET110	Energy Audit	3
		9

Third Semester Credits

IND203	Applied Geometry and Trigonometry	3
+ IND121	Industrial Electricity II	3
+ INT120	HVAC-R I	3
		9

Fourth Semester Credits

PHY101	Principles of Physical Science	3
IND131	Industrial Pipefitting	3
+	Alternative Energy Technology Elective	4
		10

Total Program Credit Hours 36



+ 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.

Alternative Energy - Systems Service Certificate

Department of Engineering Technology

PROGRAM NAME & LENGTH

Name of Program: Alternative Energy - Systems Service

Level of Program: Certificate

Program Length: 3 Semesters

RELATED OCCUPATIONS

U.S. Department of Labor's Standard Occupational Classification (SOC) code:

49-9081 Wind Turbine Service Technicians

Link(s) to the U.S. Department of Labor's O*Net Occupational Profiles:

<http://www.onetonline.org/link/summary/49-9099.02>

COST:

Total Tuition: \$4,896

Fees: \$255

Total Est. Costs for Books and Supplies: \$632

DEBT AT PROGRAM COMPLETION

Number of students completing the program between July 1, 2010 and June 30, 2011

Number of 2010-2011 Graduates: No 2010-2011 Graduates

For all Students completing program, the median cumulative debt for:

Federal Student Debt: No 2010-2011 Graduates

PROGRAM COMPLETION IN NORMAL TIME

Normal Time in Months to Complete Program: 12 Months