

Course		Credit Hour
ENG 1003	Freshman English I	3
ENG 1013	Freshman English II	3
MATH 1003	Intermediate Algebra (or higher)	3
Computer Fundamentals Elective		3
Social Science Elective		3
ECT 1123	Basic Electrical Circuits	3
ECT 1133	Basic Electrical Circuits Lab	3
ECT 1144	Intro to Air Conditioning Sys	4
ECT 1213	Split Systems	3
ECT 1223	Split Systems Lab	3
ECT 1234	Major Appliances	4
ECT 1243	HVACR Code Class	3
ECT 1313	EPA Certification	3
ECT 1314	Residential Heat Pump Sys	4
ECT 2116	Refrigeration Systems	6
ECT 2133	Program Logic Controls	3
ECT 2253	Heat Load Calculations	3

Designated Electives:

MATH 1103	Technical Mathematics	3
ENG 1203	Technical Communications	
	Or	

other electives by Advisor recommendation

Minimum Required Credit Hours (63)

“ASUN: It’s Closer Than You Think”



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Technical Center - Marked Tree

“A Great Place to start!”

**Associate
 of
 Applied Science
 Energy Control
 Technology**



“Our Business Is You”

Associate of Applied Science Energy Control Technology

The ASU-Newport Technical Center Marked Tree Energy Control Technology program offers several options for students as they begin their paths to careers. The Associate of Applied Science in Energy Control Technology degree is a two-year degree designed for persons who wish to complete a degree and go directly into the workforce. A student completing this degree may also transition into a Bachelor's Degree at a four-year institution.

The Energy Control Technology program prepares individuals to apply technical knowledge and skills to repair, install, service and maintain the operating condition of heating, air conditioning, and refrigeration systems. The program includes instruction in diagnostic techniques, the use of testing equipment and the principles of mechanics, electricity and systems. Emphasis is placed on the repair and installation of residential and commercial heating and cooling systems.



Graduates may find employment in residential, commercial, and industrial heating and air conditioning, industrial maintenance, residential and commercial wiring.

The Energy Control Technology program is for students who want two years of specialized training and to pursue employment at that time. By completing an Associate of Applied Science degree, a student can better prepare for additional college and enhance the possibilities for success in the workplace.

Reasons to Enroll in Energy Control Technology Program

*The concern for the environment has prompted the development of new energy-saving heating and air-conditioning systems. An emphasis on better energy management should lead to the replacement of older systems and the installation of newer, more efficient

systems in existing homes and buildings. As a result, demand for maintenance and service work should increase as businesses and homeowners strive to keep increasingly complex systems operating at peak efficiency.

*Employment of heating, air-conditioning, and refrigeration mechanics and installers is projected to increase 9% from now through 2016.

* In May 2009, median hourly wage-and-salary earnings of heating, air-conditioning, and refrigeration mechanics and installers were \$42,240.

* Source: Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2008-09 Edition, Heating, Air-Conditioning, and Refrigeration Mechanics and Installers, on the Internet at <http://www.bls.gov/oco/ocos192.htm> (visited August 11, 2009).

