Associate of Applied Science Degree

Energy Technology

About Our Program

Graduates of the Energy Technology program are trained in the job skills necessary for employment as an entry level HVAC/ Electrical technician in both residential and commercial fields. Graduates will find employment in various industries and service sec-tors as HVAC technicians or Electricians. Course work includes Electrical and HVAC instruction with a strong emphasis in Energy Conservation and Alternative Energy Technology with courses in energy management, solar and wind power, and geothermal technology, and related courses in computer applications, teamwork, and communication.

Opportunities For Employment

Graduates can expect to find employment as entry level or apprentice electricians or HVAC Technicians in the residential and commercial construction industry, or as industrial maintenance technicians.

Special Considerations

Although the program is designed to educate and train technicians entering the industry, the program offers increased skill levels and knowledge for experienced electricians and HVAC Technicians as well. Individuals with experience in the trades seeking a degree or desiring promotion to upper level managerial positions should also take advan¬tage of this excellent opportunity.

Program Contacts

Mr. Tommy Clements, Dean
Faculty Contacts: Mr. Tom Bush,
Mr. Jerry Ramey

		Lec Hrs.	Lab Hrs.	Crse Cr.
First Semester				
SDV 100	College Success Skills	1	0	1
MTH 105	Survey of Tech Math I	2	0	2
AIR 121	Air Conditioning & Refrigeration I	3	3	4
AIR 281	Energy Management I	2	3	3
ELE 131	National Electrical Code I	3	0	3
ELE 140	Basic Elect & Machinery	3	2	4
	Total			**17**
Second Semester				
MTH 106	Survey of Tech Math II	2	0	2
ELE 132	National Electrical Code II	3	0	3
ELE 156	Electrical Control Systems	2	2	3
ENE 100	Conventional and Alternate Energy Apps.	3	3	4
ENG 111	College Composition I	3	0	3
HLT or PED		1	0	1
	Total			**16**
Third Semester				
ENE 105	Solar Thermal Active & Passive Technology	3	3	4
AIR 205	Hydronics and Zoning	3	3	4
ENE 230	Geothermal Applications*	3	3	4
IND 137	Team Concepts and Problem Solving	3	0	3
IND 108	Technical Computer Apps	2	2	3
Total				**18**
Fourth Semester				
ENE 110	Solar Power Installations*	3	3	4
ELE 178	Wind Turbine Technology	2	2	3
ELE 239	Programmable Controllers	3	0	3
Social Science Elective		3	0	3
Humanities Elective		3	0	3
Total				**16**

67 credits required to graduate

*Prerequisite ELE 140 or equivalent