Associate of Applied Science
Energy Technology

Mountain Empire Community College

PURPOSE: 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 sectors as HVAC technicians or Electricians.

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 advantage of this excellent opportunity.

First Year

Fall Semester				
	MTH	105	Survey of Technical Math I	2
	AIR	121	Air Conditioning & Refrigeration I	4
	AIR	281	Energy Management I	3
	ELE	131	National Electrical Code I	3
	ELE	140	Basic Electrical Machinery	3
	SDV	100	College Success Skills	1

Spring Semester				
	MTH	106	Survey of Technical Math II	2
	ELE	132	National Electrical Code II	3
	ELE	156[1]	Electrical Control Systems	3
	ELE	217	Electrical Power Utilities	2
	AIR	282	Energy Management II	2
	ITE	115	Intro to Computer Applications	3
	HLT or PED	Elective		1

Second Year

Fall Semester				
	ENE	105	Solar Thermal Active & Passive Technology	4
	AIR	205	Hydronics and Zoning	4
	ENE	110[1]	Solar Power Installations	4
	IND	137	Team Concepts and Problem Solving	3
	ENG	111	College Composition I	3

Spring Semester				
	ELE	239	Programmable Controllers	3
	ELE	298	Seminar & Project	3
	ELE	298 or 290	Seminar & Project or Coordinated Internship	3
	ENE	230	Geothermal Applications*	4
	HUM	Elective		3
	Social Science	Elective		3
Total Minimum Credits for Degree				**67**

[1]Prerequisite ELE 140 or equivalent

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