Mountain Empire Community College

3441 Mountain Empire Road
Big Stone Gap, VA 24219
276.523.2400
www.mecc.edu
2016-2017

Division of Applied Science & Technology

Associate of Applied Science Degree – Energy Technology (820)

Program Description
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. These fields include leading edge technologies such as geothermal, solar PV installation, and solar thermal systems. Graduates will find employment in various industries and service sectors as HVAC technicians or Electricians.

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.

Program Requirements
Students are required to take English and mathematics placement tests. Developmental classes in these areas may be required. Students may not take a course out of normal sequence without the approval of your instructor.

For Further Information Contact:

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PROGRAM OF STUDY

FIRST YEAR FALL				
Course #		*Course Title*	*Credit*	*Progress*
AIR	121	Air Conditioning & Refrigeration I	4	
ITE	119	Information Literacy	3	
ELE	131	National Electrical Code I	3	
ELE	140	Basic Electrical Machinery	4	
ENG	111	College Composition	3	
SDV	100	College Success Skills	1	
FIRST YEAR SPRING				
ELE	132	National Electrical Code	3	
ELE	156	Electrical Control	3	
ENE	230	Geothermal Applications[1]	4	
AIR	281	Energy Management I	3	
HLT	105	CPR	1	
MTH	103	Applied Technical Mathematics I	3	
SECOND YEAR FALL				
AIR	205	Hydronics and Zoning	4	
ENE	110	Solar Power Installations[1]	4	
AIR	282	Energy Management II	2	
IND	137	Team Concepts and Problem Solving	3	
ENE	105	Solar Thermal Active and Passive Technology	4	
SECOND YEAR SPRING				
ELE	239	Programmable Controllers	3	
ELE	298 or 290	Seminar & Project or Coordinated Internship	3	
PHY	131	Applied Physics	3	
		Humanities Elective	3	
		Social Science Elective	3	
Total Minimum Credits for Degree			**67**	

[1]Prerequisite ELE 140 or equivalent