

## Division of Applied Science & Technology

### Associate of Applied Science Degree – Energy Technology Electrical Specialization (820-01)

#### Program Description

Graduates of the Energy Technology Electrical Specialization program are trained in the job skills necessary for employment as a beginning electrician in both residential and commercial fields. Course work includes a strong emphasis in electrical technology with related courses in computer applications, quality control, teamwork, and communication.

#### Opportunities for Employment

Graduates can expect to find employment as entry level or apprentice electricians in various industries and service sectors.

#### 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

<b>FIRST YEAR FALL</b>				
<i>Course #</i>		<i>Course Title</i>	<i>Credi</i>	<i>Progres</i>
BLD	110	Introduction to Construction	3	
AIR	111	Air Conditioning & Refrigeration I Controls I	3	
AIR	281	Energy Management I	3	
ELE	131	National Electrical Code I	3	
ELE	140	Basic Electricity and Machinery	3	
SDV	100	College Success Skills	1	
<b>FIRST YEAR SPRING</b>				
MTH	103	Applied Technical Mathematics I	3	
ELE	132	National Electrical Code II	3	
ELE	156	Electrical Control Systems <sup>1</sup>	3	
AIR	112	Air Conditioning & Refrigeration II	3	
ITE	119	Information Literacy	3	
HLT	105	CPR	1	
<b>SECOND YEAR FALL</b>				
ETR	218	Industrial Electronics Circuits	3	
ELE	110	Home Electric Power	3	
ENE	110	Solar Power Installations <sup>1</sup>	4	
IND	137	Team Concepts and Problem Solving	3	
ENG	111	College Composition I	3	
<b>SECOND YEAR SPRING</b>				
PHY	131	Applied Physics	3	
ELE	239	Programmable Controllers <sup>1</sup>	3	
ELE	298 or 290	Seminar & Project or Coordinated Internship	3	
		Technical Elective	3	
		Humanities Elective	3	
		Social Science Elective	3	
<b>Total Minimum Credits for Degree</b>			<b>67</b>	

<sup>1</sup>Prerequisite ELE 140 or equivalent