



## **Customer Energy Specialist A.A.S.**

Curriculum Code: 1022

Effective: Fall 2020 – Summer 2025

### **Description**

This curriculum is designed to give students the technical knowledge and customer relations skills to determine customer energy needs in the negotiation, design, installation, and application of utility facilities. They negotiate barriers in order to supply energy from the road or nearest energy supply center to the outside of a building under construction. Customer energy specialists are employed by utility companies, governmental agencies, heating and cooling contractors, the construction industry, and engineering and architectural firms. Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

### **Additional Information**

Students who have already completed DCTM 102, HVAC 102, METS 102 or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for ELTE 102. Any of these classes may also be used to fulfill the prerequisite for ELTE 108, ELTE 109 and ELTE 111.

### **Contact Information**

Contact the Electrical Technology Program at the West Campus Building, Room M127, telephone number 517-483-1570 or Student Services West Campus, West Campus Building, Room M106, telephone number 517-267-5452.

### **General Education - Applied Degree, Recommended Choices**

(For the full list of options, see [General Education](#))

- English Composition – *Select one*  
ENGL 124, Technical Writing, 3 credits / 3 billing hours
- English Composition (Second Course)/Communications or Applied Communications – *Select one*  
COMM 110, Communication in the Workplace, 3 credits / 3 billing hours
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences – *Select one*  
MGMT 234, Diversity in the Workplace, 3 credits / 3 billing hours
- Mathematics or Applied Mathematics – *Select one*  
MATH 115, Technical Math II, 4 credits / 4 billing hours
- Natural Sciences Lab or Applied Science and Technology Lab – *Select one*  
BIOL 120, Environmental Science, 4 credits / 6 billing hours  
PHYS 120, The Art of Physics, 4 credits / 5 billing hours  
PHYS 200, Intro to Applied Physics, 4 credits / 5 billing hours

## Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
ACCG 101	Accounting Info for Management	3 / 3
BUSN 118	Introduction to Business	3 / 3
CITA 110	Intro to Microsoft Office	3 / 3
DCTM 101	Drafting/Intro to CAD	3 / 4
ELTE 102	Industrial/Construction Safety	2 / 3
ELTE 108	Practical Electricity I	2 / 3
ELTE 109	Practical Electricity II	2 / 3
ENGL 121	Composition I	4 / 4
LEGL 215	Business Law-Basic Principles	3 / 3
MGMT 150	Managing Customer Relations	3 / 3
MKTG 200	Principles of Marketing	3 / 3

## Program of Study Required Courses, Limited Choice - *Select 3 or 4 courses, minimum of twelve credits*

Course Code	Course Title	Credit / Billing Hours
CIVL 120	Surveying	4 / 6
ELTE 111	Intro to Industrial Automation	4 / 6
ELTE 141	National Electrical Code I	4 / 4
GSCI 100	Intro to Geospatial Tech	3 / 3
GSCI 210	Global Positioning Systems	3 / 4
METD 100	Basic Mechanical Drafting	3 / 4

## Total Credit Hours

60-62 credits / 68-71 billing hours

## Recommended Course Sequence

Semester I	Semester II
Gen Ed – English Composition BUSN 118 CITA 110 ELTE 102 Limited Choice	Gen Ed – Mathematics or Applied Mathematics ACCG 101 ELTE 108 (First 8 weeks) ELTE 109 (Second 8 weeks) ENGL 121

Semester III	Semester IV
Gen Ed – Natural Sciences Lab or Applied Science and Technology Lab DCTM 101 LEGL 215 MGMT 150 MKTG 200	Gen Ed – English Composition (Second Course)/ Communications or Applied Communications Gen Ed – Humanities and Fine Arts or Social Sciences or Applied Social Sciences Limited Choice Limited Choice