

Associate of Science Degree in  
**ELECTRICAL TECHNOLOGY**



**PROGRAM DETAILS**

**Core Courses**

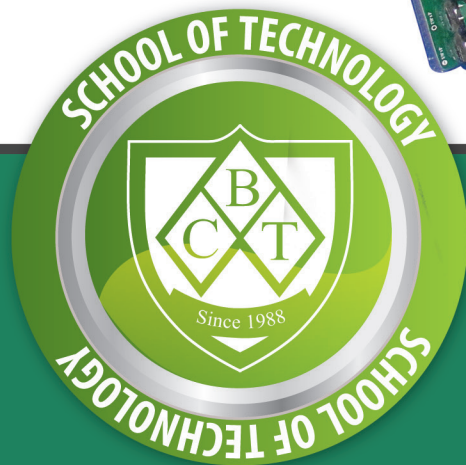
Course Code	Course Title	Credit Hour
EET1011	DC Circuits	4
EET1000	National Electrical Code (NEC)	4
EET1021	AC Circuits	4
EET1051	Electrical Materials and Components	4
EET1050	Blue Print Reading	4
BCT1630	Residential Wiring	4
CET1112	Digital Electronics & Microprocessors	4
EET1517	Electric Motors	4
BCT1633	Commercial Wiring	4
EST1542	Programmable Logic Controllers	4
BCT1634	Industrial Wiring	4
<b>TOTAL</b>		<b>44</b>

**General Courses**

Course Code	Course Title	Credit Hour
MAC1100	Fundamentals of College Math I	4
ECO2000	Principles of Economics	4
AMH2022	US History	4
SPC1013	Speech	4
<b>TOTAL</b>		<b>16</b>

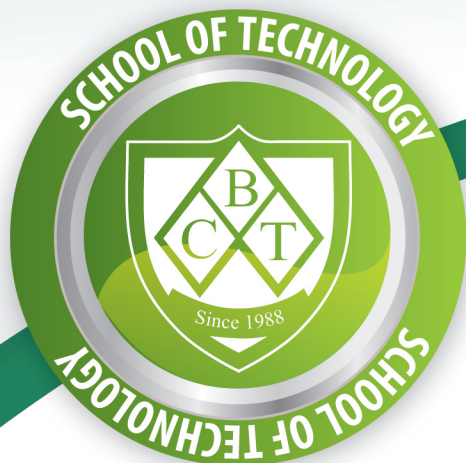
**Total Semester Credit Hours required: 60**

**“Providing Students with  
the right tools  
to become professionals.”**  
- CBT College



**The Right Training for your  
success in the electrical field**

**-AS in Electrical Technology at CBT College**



## PROGRAM SHOWCASE

CBT College's Associate Degree in Electrical Technology is designed to prepare our students with the hands-on training to become a knowledgeable and competent technician by developing the necessary abilities to succeed in this important technological field. The academic curriculum covers current use of the National Electrical Code, and the teaching methods used in classrooms will allow future graduates to undertake procedures of installation, read blueprints, understand and interpret technical specifications, and participate in tasks of project change, remodeling and repair. Courses included in the curriculum such as Electrical DC Circuit, AC Circuits Blue Print and Electrical materials create a solid theoretical and practical foundation for more advanced courses such as: Residential, Commercial and Industrial Wiring. A complete study of motors and its respective controls as well as the analysis of the most used PLCs in the industrial field, complement the content of this program.

## INDUSTRY APPLICATION

Electricians play a key role in the building trades, reading and following blueprints to install the electrical wiring in new homes and buildings. Electricians also perform electrical repair and expansion of electric lines in buildings, hard-wire industrial equipment and major appliances such as central air conditioning units to fuse boxes, and maintain and repair electrical industrial equipment. Electricians may choose to specialize in construction or maintenance and repair, although many electricians do both.

**“Hands-On Training to become  
a competent technician.”**

-CBT College

## JOB OUTLOOK

Job opportunities are expected to be good for electricians with the right experience and training. Most are employed by a construction company or an electrical contracting company; however, many choose to contract themselves out as independent electricians.

