



# TRADES ACADEMY

Building Skills For A Lifetime

## Electrical

### Core Curriculum (2015):

Basic Safety \* Introduction to Construction Math \* Introduction to Hand Tools \* Introduction to Power Tools \* Introduction to Construction Drawings \* Basic Rigging \* Basic Communication Skills \* Basic Employability Skills \* Introduction to Materials Handling

**Core Curriculum: 85 hours      Core Tuition: \$1,360.00      Core Textbook: \$95.00**

### Electrical Level 1 (2017):

Orientation to the Trade \* Electrical Safety \* Introduction to Electrical Circuits \* Electrical Theory \* Introduction to the National Electric Code \* Device Boxes \* Hand Bending \* Raceways & Fittings \* Conductors & Cables \* Basic Electrical Construction Drawings \* Residential Electrical Services \* Electrical Test Equipment

**Electrical Level 1: 122.5 hours      Level 1 Tuition: \$1,960.00      Level 1 Textbook: \$95.00**

### Electrical Level 2 (2017):

Alternating Current \* Motors: Theory & Application \* Electrical Lighting \* Conduit Bending \* Pull & Junction Boxes \* Conductor Installations \* Cable Trays \* Conductor Terminations & Splices \* Grounding & Bonding \* Circuit Breakers & Fuses \* Control Systems & Fundamental Concepts

**Electrical Level 2: 145 hours      Level 2 Tuition: \$2,320.00      Level 2 Textbook: \$135.00**

### Electrical Level 3 (2017):

Load Calculations – Branch & Feeder Circuits \* Conductor Selection & Calculations \* Practical Applications of Lighting \* Hazardous Locations \* Overcurrent Protection \* Distribution Equipment \* Transformers \* Commercial Electrical Systems \* Motor Calculations \* Voice, Data & Video \* Motor Controls

**Electrical Level 3: 155 hours      Level 3 Tuition: \$2,480.00      Level 3 Textbook: \$135.00**



Accredited Training Unit

**GCA TRADES ACADEMY OFFICE:**  
718 N. Marine Corps Drive, Suite 201  
Tamuning, Guam 96913-4425  
(671) 647-4842/3  
(671) 647-4866 (facsimile)

**BARRIGADA TRAINING FACILITY:**  
196 East Route 8  
Barrigada, Guam  
September 2019

## Electrical Level 4 (2017):

Load Calculations – Feeder & Services \* Health Care Facilities \* Standby & Emergency Systems \* Basic Electronic Theory \* Fire Alarm Systems \* Specialty Transformers \* Advanced Motor Controls \* HVAC Controls \* Heat Tracing & Freeze Protection \* Motor Operation & Maintenance \* Medium Voltage Termination & Splices \* Specialty Locations\* Fundamentals of Crew Leadership

Electrical Level 4:	182.5 hours	Level 4 Tuition:	\$2,920.00	Level 4 Textbook:	\$135.00
Total Electrical Program:	690 hours	Total Program Tuition:	\$11,040.00	Total Textbook Cost:	\$595.00

*Your time, Your card,*  
**YOUR CAREER.**



You're spending the time to get the right training, now make sure you get the credentials you deserve.

Find out more about NCCER's industry recognized, portable credentials that owners and contractors look for.

## Credentials Matter.



Visit us at [nccer.org](http://nccer.org)

