



TRADES ACADEMY

Building Skills For A Lifetime

ELECTRICAL

Core Curriculum (6th Ed):

Build Your Future in Construction * 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: 95 hours Core Tuition: \$1,520 Core Textbook: \$100

Electrical Level 1 (11th Ed)

Occupational Overview: The Electrical Industry * Safety for Electricians * Introduction to Electrical Circuits * Electrical Theory * Introduction to the National Electric Code * Device Boxes * Hand Bending * Wiring, Raceways & Fittings * Conductors & Cables * Basic Electrical Construction Drawings * Residential Wiring * Electrical Test Equipment

Electrical Level 1: 122.5 hours Level 1 Tuition: \$1,960 Level 1 Textbook: \$100
NEC 2023 Handbook: \$300

Electrical Level 2 (11th Ed)

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

Electrical Level 2: 145 hours Level 2 Tuition: \$2,320 Level 2 Textbook: \$140



GCA TRADES ACADEMY

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506 Mariner Avenue
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(671) 647-4842/3
(671) 647-4866 (facsimile)



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Electrical Level 3 (11th Ed)

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** **Level 3 Textbook:** **\$140**

Electrical Level 4 (11th Ed)

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** **Level 4 Textbook:** **\$140**

Total Electrical Program:	700 hours
Total Program Tuition:	\$11,200
Total Textbook Cost:	\$920
Total Program Cost:	\$12,120

The GCA Trades Academy is non-profit, non-government organization established in 2006 to provide nationally-recognized training programs for the construction and related industries. The GCA Trade Academy is an NCCER Training Unit, under the sponsorship of the Guam Contractors Association.

The GCA Trades Academy, Inc. is committed to the principle of equal opportunity in education and employment. The GCA Trades Academy does not discriminate against individuals on the basis of race, color, sex, sexual orientation, gender identity, religion, disability, age, veteran status, ancestry, or national or ethnic origin in the administration of its educational policies, admissions policies, employment policies, scholarship and loan programs, and other programs and activities, except where sex or age is a bona fide occupational qualification. Discrimination based on disability in educational programs and activities and employment with the GCA Trades Academy is prohibited.

The GCA Trades Academy expects all of its students and employees to join together to ensure a climate of diversity where everyone values individual and group differences, respects the perspectives of others and communicates openly to attain the best education.