



# TRADES ACADEMY

Building Skills For A Lifetime

## ELECTRONIC SYSTEM TECHNICIAN

### Core Curriculum (6<sup>th</sup> 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 (11<sup>th</sup> 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 (11<sup>th</sup> 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

Tiyan Training Facility  
506 Mariner Avenue  
Barrigada, Guam 96913  
(671) 647-4842/3  
(671) 647-4866 (facsimile)



## Electronic Systems Technician (EST) Level 3 (4<sup>th</sup> Ed)

Limited-Energy Cabling \* Limited-Energy Cable Selection \* Limited-Energy Cable Termination \* Limited-Energy Network Installation \* Fiber Optics \* Wireless Communications \* Site Survey, Project Planning & Documentation \* Rack Assembly \* System Commissioning & User Training \* Maintenance & Repair

<b>Electronic System Technician Level 3:</b>	<b>192.5 hours</b>	<b>Level 3 Tuition:</b>	<b>\$3,080</b>	<b>Level 3 Textbook:</b>	<b>\$140</b>
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## Electronic Systems Technician (EST) Level 4 (4<sup>th</sup> Ed)

Audio Systems \* Video Systems \* Broadband Systems \* Media Management Systems \* Telecommunication Systems \* Residential & Commercial Systems \* Intrusion Detection Systems \* Fire Alarm Systems \* Overview of Nurse Call & Signalling Systems \* CCTV Systems \* Access Control Systems

<b>Electronic System Technician Level 4:</b>	<b>315 hours</b>	<b>Level 4 Tuition:</b>	<b>\$5,040</b>	<b>Level 4 Textbook:</b>	<b>\$140</b>
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<b>Total Electronic System Technician Program:</b>	<b>870 hours</b>
<b>Total Program Tuition:</b>	<b>\$13,920</b>
<b>Total Textbook Cost:</b>	<b>\$920</b>
<b>Total Program Cost:</b>	<b>\$14,840</b>

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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.