



# TRADES ACADEMY

Building Skills For A Lifetime

506 Mariner Avenue, Tiyan  
647-4842 / 3  
elizabeth.aguero@guamcontractors.org  
www.gcatradesacademy.org

## Ongoing & Upcoming Course Schedule June 2026

### CORE CURRICULUM

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

<b>26-008</b>	Tuesday & Thursdays	19Mar26 – 28Jul26	6:00 pm – 8:30 pm	Tiyan Training Facility room A103
<b>26-013</b>	Saturdays	21Mar26 – 01Aug26	8:00 am – 12:00 noon	Tiyan Training Facility room A103
<b>26-024</b>	Mondays & Wednesdays	20May26 – 05Oct26	6:00 pm – 8:30 pm	Tiyan Training Facility room A103
<b>26-034</b>	Tuesday & Thursdays	30Jul26 – 10Dec26	6:00 pm – 8:30 pm	Tiyan Training Facility room A103

### EROSION AND SEDIMENT CONTROL

Erosion & Sediment Control

<b>26-025</b>	Friday & Saturday	12Jun26 – 13Jun26	8:00 am - 5:00 pm	Tiyan Training Facility room A205
<b>26-031</b>	Friday & Saturday	24Jul26 – 25Jul26	8:00 am - 5:00 pm	Tiyan Training Facility room A205

### PROJECT SUPERVISION

Orientation to the Job \* Human Relations & Problem Solving \* Safety \* Quality Control \* Contract & Construction Documents \* Document Control & Estimating \* Planning & Scheduling \* Resource Control & Cost Awareness

<b>26-021</b>	Mondays & Wednesdays	27May26 – 28Sep26	6:00 pm – 8:30 pm	Tiyan Training Facility room A202
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# TURNING 20



### GCA Trades Academy – An NCCER Training Unit



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.

**Class dates and course availability are subject to change. Please contact the GCA Trades Academy offices for latest schedule.**



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### CARPENTRY (LEVEL 3)

Properties of Concrete \* Rigging Equipment \* Rigging Practices \* Trenching & Excavating \* Reinforcing Concrete \* Foundations & Slab-on-grade \* Vertical Formwork \* Horizontal Formwork \* Handling & Placing Concrete \* Tilt-up Wall Panel3  
**25-035** Tuesday & Thursdays 04Nov25 – 25Jun26 6:00 pm – 8:30 pm Tiyan Training Facility room A203

### WELDING (LEVEL 2)

Welding Symbols \* Reading Welding Detail Drawings \* Physical Characteristics & Mechanics Properties of Metals \* Preheating & Postheating of Metals \* GMAW & FCAW – Equipment & Filler Metals \* GMAW – Plate \* FCAW-Plate \* GTAW – Equipment & Filler Materials \* GTAW – Plate  
**25-080** Saturdays 08Nov25 – 03Oct26 1:00 pm – 6:00 pm Tiyan Training Facility room A101

### WELDING (LEVEL 3)

Welding Symbols \* Reading Welding Detail Drawings \* Physical Characteristics & Mechanics Properties of Metals \* Preheating & Postheating of Metals \* GMAW & FCAW – Equipment & Filler Metals \* GMAW – Plate \* FCAW-Plate \* GTAW – Equipment & Filler Materials \* GTAW – Plate  
**25-064** Saturdays 01Nov25 – 14Aug27 8:00 am – 12:00 noon Tiyan Training Facility room A101

### PLUMBING (LEVEL 2)

Plumbing Math Two \* Reading Commercial Drawings \* Structural Penetrations, Insulation, & Fire Stopping \* Installing & Testing DWV Piping \* Installing Roof, Floor, & Area Drains \* Installing & Testing Water Supply Piping \* Types of Valves\* Installing Fixtures & Valves \* Installing Water Heaters \* Basic Electricity \* Fuel Gas & Fuel Oil Systems  
**25-070** Mondays & Wednesdays 03Nov25 – 20Jul26 6:00 pm – 8:30 pm Tiyan Training Facility room A206

### PLUMBING (LEVEL 3)

Applied Math \* Sizing & Protecting the Water Supply System \* Potable Water Supply Treatment \* Types of Venting \* Sizing DWV & Storm Systems \* Sewage Pumps & Sump Pumps \* Corrosive-Resistant Waste Piping \* Compressed Air \* Service Plumbing  
**26-033** Mondays & Wednesdays 27Jul26 – 24Mar27 6:00 pm – 8:30 pm Tiyan Training Facility room A206

### FIELD SAFETY

Introduction to Safety \* Work-Zone Safety \* Steel Erection \* Concrete & Masonry \* Confined Spaces & Excavation \* Electrical Safety \* Working from Elevations \* Heavy Equipment, Forklifts & Cranes \* Introduction to Materials Handling  
**26-022** Mon-Wed-Fridays 27May26 – 08Jul26 6:00 pm – 8:30 pm Tiyan Training Facility room A204



## Ongoing & Upcoming Course Schedule June 2026

### MOBILE CRANE OPERATIONS

Orientation to the Trade \* Basic Principles of Cranes \* Rigging Practices \* Crane Communications \* Crane Safety & Emergency Procedures \* Operating a Crane  
**25-060** Tuesday & Thursdays 23Jun26 – 01Dec26 6:00 pm – 8:30 pm Tiyan Training Facility room A101

### HEAVY EQUIPMENT OPERATOR (LEVEL 2)

Rough Terrain Forklifts \* On-Road Dump Trucks \* Excavation Math \* Interpreting Civil Drawings \* Site Work \* Soils \* Skid Steers \* Loaders  
**25-037** Mondays & Wednesdays 03Nov25 – 13Jul26 6:00 pm – 8:30 pm Tiyan Training Facility room A101

### HEAVY EQUIPMENT OPERATOR (LEVEL 3)

Finishing & Grading \* Compaction Equipment \* Backhoes \* Off-Road Dump Trucks \* Dozers \* Excavators \* Motor Graders  
**26-032** Mondays & Wednesdays 27Jul26 – 30Dec26 6:00 pm – 8:30 pm Tiyan Training Facility room A101

### PAINTING (LEVEL 1)

Careers in the Painting Trade \* Safety \* Ladders, Scaffolds, Lifts, & Fall Protection \* Identifying Surface / Substrate Materials & Conditions \* Protecting Adjacent Surfaces \* Basic Surface Preparation \* Sealants & Repairs / Fillers \* Introduction to Paint & Coatings \* Burshing & Rolling Paints & Coatings  
**26-012** Mondays & Wednesdays 29Jun26 – 21Oct26 6:00 pm – 8:30 pm Tiyan Training Facility room A203

### DIESEL TRUCK MECHANIC (LEVEL 1)

Introduction to Servicing Heavy-Duty Trucks \* Shop Safety & Operations \* Tools & Fasteners \* Maintenance Programs \* Fundamentals of Electricity \* Fundamentals of Electronics & Computers \* Batteries \* Charging Systems \* Chassis Electrical Circuits \* Diagnosis & Repair of Electronic Circuits \* Multiplexing  
**25-027** Tuesdays & Thursdays 20May25 – 18Jun26 6:00 pm – 8:30 pm Tiyan Training Facility room B201 / B202

### DIESEL TRUCK MECHANIC (LEVEL 2)

Hydraulics \* Clutches \* Standard Transmissions \* Standard Transmission Servicing \* Torque Converters \* Automatic Transmissions \* Automatic Transmission Maintenance \* Automatic Manual & Hybrid Transmissions \* Electrically Controlled Automatic Transmissions (ECATs)  
**26-026** Tuesdays & Thursdays 23Jun26 – 13May27 6:00 pm – 8:30 pm Tiyan Training Facility room B201 / B202



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### ELECTRICAL (LEVEL 1)

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

<b>26-009</b>	Monday & Wednesdays	23Feb26 – 12Aug26	6:00 pm – 8:30 pm	Tiyan Training Facility room A106
<b>26-023</b>	Tuesdays & Thursdays	16Jun26 – 03Dec26	6:00 pm – 8:30 pm	Tiyan Training Facility room A201/A202

### ELECTRICAL (LEVEL 2)

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

<b>25-004</b>	Monday & Wednesdays	08Nov25 – 29Jun26	6:00 pm – 8:30 pm	Tiyan Training Facility room A201
<b>25-066</b>	Tuesdays & Thursdays	16Dec25 – 09Jul26	6:00 pm – 8:30 pm	Tiyan Training Facility room A106

### ELECTRICAL (LEVEL 3)

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

<b>25-052</b>	Monday & Wednesdays	03Nov25 – 24Jun26	6:00 pm – 8:30 pm	Tiyan Training Facility room A105
<b>26-028</b>	Monday & Wednesdays	01Jul26 – 17Feb27	6:00 pm – 8:30 pm	Tiyan Training Facility room A201

### ELECTRICAL (LEVEL 4)

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

<b>25-053</b>	Tuesdays & Thursdays	04Nov25 – 28Jul26	6:00 pm – 8:30 pm	Tiyan Training Facility room A105
<b>26-027</b>	Monday & Wednesdays	29Jun26 – 24Mar27	6:00 pm – 8:30 pm	Tiyan Training Facility room A105



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### HEATING VENTILATION AIR CONDITIONING (LEVEL 1)

Introduction to HVAC \* Trade Mathematics \* Basic Electricity \* Introduction to Heating \* Introduction to Cooling \* Introduction to Air Distribution Systems \* Basic Copper & Plastic Piping Practices \* Soldering & Brazing \* Basic Carbon Steel Piping Practices \* USEPA Section 608 certification

<b>26-010</b>	Mondays & Wednesdays	24Feb26 – 05Aug26	6:00 pm – 8:30 pm	Tiyan Training Facility room A205
<b>26-030</b>	Mondays & Wednesdays	27May26 – 21Dec26	6:00 pm – 8:30 pm	Tiyan Training Facility room B102

### HEATING VENTILATION AIR CONDITIONING (LEVEL 2)

Alternating Current \* Compressors \* Refrigerant & Oils \* Leak Detection, Evacuation, Recovery, & Charging \* Metering Devices \* Heat Pumps \* Basic Maintenance \* Chimneys, Vents, & Flues \* Sheet Metal Duct Systems \* Fiberglass & Flexible Duct Systems \* Commercial Airside Systems \* Air Quality Equipment \* Introduction to Hydronic Systems

<b>25-072</b>	Tuesdays & Thursdays	16Dec25 – 20Aug26	6:00 pm – 8:30 pm	Tiyan Training Facility room B102
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### HEATING VENTILATION AIR CONDITIONING (LEVEL 3)

Fasteners, Hardware, & Wiring Terminations \* Control Circuit & Motor Troubleshooting \* Troubleshooting Cooling \* Troubleshooting Heat Pumps \* Troubleshooting Gas Heating \* Troubleshooting Oil Heating \* Troubleshooting Accessories \* Zoning, Ductless, & Variable Refrigerant Flow Systems \* Commercial Hydronic Systems \* Steam Systems \* Retail Refrigerant Systems \* Customer Relations

<b>26-005</b>	Tuesdays & Thursdays	28May26 – 21Jan27	6:00 pm – 8:30 pm	Tiyan Training Facility room B101
<b>26-029</b>	Tuesdays & Thursdays	25Aug26 – 29Apr27	6:00 pm – 8:30 pm	Tiyan Training Facility room B102

### HEATING VENTILATION AIR CONDITIONING (LEVEL 4)

Water Treatment \* Indoor Air Quality \* Energy Conservation Equipment \* Building Management Systems \* System Air Balancing \* System Startup & Shutdown \* Construction Drawings & Specification \* Heating & Cooling System Design \* Commercial & Industrial Refrigeration Systems \* Alternative & Specialized Heating & Cooling Systems \* Fundamentals of Crew Leadership

<b>25-054</b>	Fridays & Saturdays	01Nov25 – 13Jun26	6:00 pm – 8:30 pm	Tiyan Training Facility room B102
<b>26-004</b>	Mondays & Wednesdays	01Jun26 – 25Jan27	6:00 pm – 8:30 pm	Tiyan Training Facility room B101