



# TRADES ACADEMY

Building Skills For A Lifetime

## PLUMBING

### 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

### Plumbing Level 1 (5<sup>th</sup> Ed):

Introduction to the Plumbing Industry \* Plumbing Safety \* Tools of the Plumbing Trade \* Introduction to Plumbing Math \* Introduction to Plumbing Drawings \* Plastic Pipe & Fittings \* Copper Pipe & Fittings \* Cast-Iron Pipe & Fittings \* Steel Pipe & Fittings \* Introduction to Plumbing Fixtures \* Introduction to Drain, Waste, & Vent (DWV) Systems \* Introduction to Water Distribution Systems

Plumbing Level 1: 145 hours Level 1 Tuition: \$2,320 Level 1 Textbook: \$100

### Plumbing Level 2 (5<sup>th</sup> Ed):

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

Plumbing Level 2: 175 hours Level 2 Tuition: \$2,800 Level 2 Textbook: \$140



**GCA TRADES ACADEMY**  
Tiyon Training Facility  
506 Mariner Avenue  
Barrigada, Guam 96913  
(671) 647-4842/3  
(671) 647-4866 (facsimile)



March 2025

## Plumbing Level 3 (5<sup>th</sup> Ed):

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

**Plumbing Level 3:                      162.5 hours    Level 3 Tuition:                      \$2,600    Level 3 Textbook:                      \$140**

## Plumbing Level 4 (5<sup>th</sup> Ed):

Business Principals for Plumbers \* Fundamentals of Crew Leadership \* Water Pressure Booster & Recirculation Systems \* Indirect & Special Waste \* Hydronic & Solar Heating Systems \* Codes \* Private Water Supply Well Systems \* Private Waste Disposal Systems \* Swimming Pools & Hot Tubs \* Plumbing for Mobile Homes & Travel Trailers \* Introduction to Medical Gas & Vacuum Systems

**Plumbing Level 4:                      145 hours    Level 4 Tuition:                      \$2,320    Level 4 Textbook:                      \$140**

<b>Total Plumbing Program:</b>	<b>722.5 hours</b>
<b>Total Program Tuition:</b>	<b>\$11,560</b>
<b>Total Textbook Cost:</b>	<b>\$620</b>
<b>Total Program Cost:</b>	<b>\$12,180</b>

---

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.