



TRADES ACADEMY

Building Skills For A Lifetime

WELDING

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

Welding Level 1 (6th Ed):

Welding Safety * Oxyfuel Cutting * Plasma Arc Cutting (PAC) * Air Carbon Arc Cutting & Gouging * Base Metal Preparation * Weld Quality * SMAW – Equipment & Setup * SMAW Electrodes * SMAW – Beads & Fillet Welds * Joint Fit-up & Alignment * SMAW – Groove Welds with Backing * Open Root Groove Welds-Plate

Welding Level 1: 285 hours Level 1 Tuition: \$4,560 Level 1 Textbook: \$100

Welding Level 2 (6th Ed):

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

Welding Level 2: 227.5 hours Level 2 Tuition: \$3,640 Level 2 Textbook: \$140



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



Welding Level 3 (6th Ed):

SMAW – Open-Root Pipe Welds * GMAW – Pipe * FCAW – Pipe * GTAW – Carbon Steel Pipe * GTAW – Low Alloy & Stainless Steel Pipe * SMAW – Stainless Steel Plate & Pipe Groove Welds

Welding Level 3: 470 hours Level 3 Tuition: \$7,520 Level 3 Textbook: \$140

Welding Level 4 (5th Ed):

GMAW – Aluminum Plate * GMAW – Aluminum Pipe * GTAW – Aluminum Plate * GTAW – Aluminum Pipe * Soldering & Brazing

Welding Level 4: 172.5 hours Level 4 Tuition: \$2,760 Level 4 Textbook: \$140

Total Welding Program:	1,252.5 hours
Total Program Tuition:	\$20,000
Total Textbook Cost:	\$620
Total Program Cost:	\$20,620

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.