



# TRADES ACADEMY

Building Skills For A Lifetime

506 Mariner Avenue, Tiyan  
 647-4842 / 3  
 647-4843 (fax)  
 gcatrades@guam.net  
 www.gcatradesacademy.org

## Course Schedule May 2022 – July 2022

### CORE CURRICULUM

<b>00100</b>	<b>Build Your Future in Construction</b>					<b>\$240.00</b>
<b>00101</b>	<b>Basic Safety</b>					
	<b>22-156</b>	Tuesday & Thursdays	07Jul22 – 28Jul22	6:00 pm – 8:30 pm	Tiyan Training Facility room A103	
<b>00103</b>	<b>Introduction to Hand Tools</b>					<b>\$360.00</b>
<b>00104</b>	<b>Introduction to Power Tools</b>					
	<b>22-064</b>	Saturdays	04Jun22 – 02Jul22	1:00 pm – 5:00 pm	Tiyan Training Facility room A103	
	<b>22-103</b>	Mondays & Wednesdays	06Jun22 – 11Jul22	6:00 pm – 8:30 pm	Tiyan Training Facility room A103	
<b>00106</b>	<b>Basic Rigging</b>					<b>\$200.00</b>
<b>00109</b>	<b>Introduction to Material Handling</b>					
	<b>22-086</b>	Tuesday & Thursdays	31May22 – 14Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room A103	
	<b>22-159</b>	Saturdays	09Jul22 – 06Aug22	1:00 pm – 5:00 pm	Tiyan Training Facility room A103	
	<b>22-161</b>	Mondays & Wednesdays	13Jul22 – 27Jul22	6:00 pm – 8:30 pm	Tiyan Training Facility room A103	
<b>00107</b>	<b>Basic Communication Skills</b>					<b>\$240.00</b>
<b>00108</b>	<b>Basic Employability Skills</b>					
	<b>22-144</b>	Tuesday & Thursdays	16Jun22 – 05Jul22	6:00 pm – 8:30 pm	Tiyan Training Facility room A103	

### EROSION AND SEDIMENT CONTROL

	<b>Erosion &amp; Sediment Control</b>					<b>No Charge</b>
	<b>22-150</b>	Tuesdays & Thursdays	10May22 – 31May22	6:00 pm – 8:30 pm	Tiyan Training Facility room A201	
	<b>22-151</b>	Mondays & Wednesdays	01Jun22 – 22Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room A201	

### 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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### HEAVY EQUIPMENT OPERATOR (LEVEL 2)

<b>22206-13</b>	<b>Rough Terrain Forklifts</b>				<b>\$360.00</b>
	<b>22-069</b> Saturdays	28May22 – 18Jun22	1:00 pm – 5:00 pm	Tiyan Training Facility room A101	
<b>22202-13</b>	<b>On-Road Dump Trucks</b>				<b>\$320.00</b>
	<b>22-082</b> Saturdays	25Jun22 – 16Jul22	1:00 pm – 5:00 pm	Tiyan Training Facility room A101	
<b>22207-13</b>	<b>Excavation Math</b>				<b>\$280.00</b>
	<b>22-147</b> Saturdays	23Jul22 – 13Aug22	1:00 pm – 5:00 pm	Tiyan Training Facility room A101	

### HEAVY EQUIPMENT OPERATOR (LEVEL 3)

<b>22304-14</b>	<b>Excavators</b>				<b>\$640.00</b>
	<b>22-075</b> Saturdays	14May22 – 02Jul22	8:00 am – 12:00 noon	Tiyan Training Facility room A101	
<b>22305-14</b>	<b>Motor Graders</b>				<b>\$640.00</b>
	<b>22-158</b> Saturdays	09Jul22 – 27Aug22	8:00 am – 12:00 noon	Tiyan Training Facility room A101	

### HEAVY EQUIPMENT BACKHOE OPERATOR

<b>22101</b>	<b>Orientation to the Trade</b>				<b>\$240.00</b>
<b>22102</b>	<b>Heavy Equipment Safety</b>				
	<b>22-152</b> Monday & Wednesdays	13Jun22 – 29Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room A101	
<b>22104</b>	<b>Basic Operational Techniques</b>				<b>\$440.00</b>
	<b>22-154</b> Monday & Wednesdays	06Jul22 – 10Aug22	6:00 pm – 8:30 pm	Tiyan Training Facility room A101	



## Course Schedule May 2022 – July 2022

### ELECTRICAL / ELECTRONIC SYSTEM TECHNICIAN (LEVEL 1)

<b>26108-20</b>	<b>Raceways &amp; Fittings</b>				<b>\$320.00</b>
<b>22-019</b>	Saturdays	21May22 – 11Jun22	1:00 pm – 6:00 pm	Tiyan Training Facility room B201	
<b>26109-20</b>	<b>Conductors &amp; Cables</b>				<b>\$280.00</b>
<b>26110-20</b>	<b>Basic Electrical Construction Documents</b>				
<b>22-077</b>	Saturdays	18Jun22 – 16Jul22	1:00 pm – 6:00 pm	Tiyan Training Facility room B201	
<b>26111-20</b>	<b>Residential Electrical Services</b>				<b>\$320.00</b>
<b>26112-20</b>	<b>Electrical Test Equipment</b>				
<b>22-085</b>	Saturdays	21May22 – 11Jun22	8:00 am - 12:00 noon	Tiyan Training Facility room A203	
<b>22-166</b>	Saturdays	23Jul22 – 13Aug22	1:00 pm – 6:00 pm	Tiyan Training Facility room B201	

### ELECTRICAL / ELECTRONIC SYSTEM TECHNICIAN (LEVEL 2)

<b>26205-20</b>	<b>Pull &amp; Junction Boxes</b>				<b>\$200.00</b>
<b>22-060</b>	Tuesdays & Thursdays	17May22 – 31May22	6:00 pm – 8:30 pm	Tiyan Training Facility room B201	
<b>26206-20</b>	<b>Conductor Installations</b>				<b>\$400.00</b>
<b>26207-20</b>	<b>Cable Tray</b>				
<b>26208-20</b>	<b>Conductor Terminations &amp; Splices</b>				
<b>22-101</b>	Tuesdays & Thursdays	02Jun22 – 05Jul22	6:00 pm – 8:30 pm	Tiyan Training Facility room B201	
<b>26209-20</b>	<b>Grounding &amp; Bonding</b>				<b>\$240.00</b>
<b>21-157</b>	Tuesdays & Thursdays	07Jul22 – 28Jul22	6:00 pm – 8:30 pm	Tiyan Training Facility room B201	

### ELECTRONIC SYSTEM TECHNICIAN (LEVEL 4)

<b>33401-12</b>	<b>Audio Systems</b>				<b>\$480.00</b>
<b>22-041</b>	Monday & Wednesdays	02May22 – 13Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room A203	
<b>33402-12</b>	<b>Video Systems</b>				<b>\$640.00</b>
<b>22-080</b>	Monday & Wednesdays	15Jun22 – 10Aug22	6:00 pm – 8:30 pm	Tiyan Training Facility room A203	



## Course Schedule May 2022 – July 2022

### SAFETY TECHNOLOGY

75201	Introduction to Safety Technology	75222	Site Safety Plans	
75205	Positive Safety Communication	75223	Safety Orientation & Safety Meetings	
75219	Hazard Recognition, Environmental Awareness, & Occupational Health	75224	Permits & Policies	\$720.00
75220	Job Safety Analysis & Pre-task Planning	75225	Incident Investigations, Policies & Analysis	
75221	Safety Data Tracking & Trending	75226	OSHA Inspections & Recordkeeping	
22-140	Saturdays	28May22 – 02Jul22	8:00 am – 5:00 pm	Tiyan Training Facility room A205

### PLUMBING (LEVEL 1)

02101	Introduction to the Plumbing Industry			\$440.00
02102	Plumbing Safety			
22-067	Tuesdays & Thursdays	26May22 – 30Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room A205
02103	Tools of the Plumbing Trade			\$160.00
22-074	Tuesdays & Thursdays	05Jul22 – 14Jul22	6:00 pm – 8:30 pm	Tiyan Training Facility room A205
02104	Introduction to Plumbing Math			\$200.00
22-081	Tuesdays & Thursdays	19Jul22 – 04Aug22	6:00 pm – 8:30 pm	Tiyan Training Facility room A205

### CARPENTRY (LEVEL 4)

27405-14	Advanced Stair Systems			\$400.00
22-073	Mondays & Wednesdays	11May22 – 15Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room A205
27406-14	Introduction to Construction Equipment			\$160.00
22-146	Mondays & Wednesdays	20Jun22 – 29Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room A205
27407-14	Introduction to Oxyfuel Cutting & Arc Welding			\$320.00
22-155	Mondays & Wednesdays	06Jul22 – 01Aug22	6:00 pm – 8:30 pm	Tiyan Training Facility room A205



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### CONSTRUCTION CRAFT LABORER (LEVEL 1)

<b>27101-13</b>	<b>CARPENTRY 1: Introduction to the Trade</b>					
<b>27102-13</b>	<b>CARPENTRY 1: Building Materials, Fasteners, &amp; Adhesives</b>					<b>\$360.00</b>
<b>22-153</b>	Saturdays	02Jul22 – 30Jul22	1:00 pm – 5:00 pm		Tiyan Training Facility room B102	

### CONSTRUCTION CRAFT LABORER (LEVEL 2)

<b>27304-14</b>	<b>CARPENTRY 3: Reinforcing Concrete</b>					<b>\$240.00</b>
<b>22-013</b>	Tuesdays & Thursdays	24May22 – 09Jun22	6:00 pm – 8:30 pm		Tiyan Training Facility room B102	
<b>22-056</b>	Saturdays	14May22 – 28May22	8:00 am – 12:00 noon		Tiyan Training Facility room B102	
<b>27308-14</b>	<b>CARPENTRY 3: Vertical Formwork</b>					<b>\$360.00</b>
<b>22-018</b>	Tuesdays & Thursdays	14Jun22 – 12Jul22	6:00 pm – 8:30 pm		Tiyan Training Facility room B102	
<b>22-102</b>	Saturdays	04Jun22 – 02Jul22	8:00 am – 12:00 noon		Tiyan Training Facility room B102	
<b>27309-14</b>	<b>CARPENTRY 3: Horizontal Formwork</b>					<b>\$240.00</b>
<b>22-160</b>	Saturdays	09Jul22 – 23Jul22	8:00 am – 12:00 noon		Tiyan Training Facility room B102	
<b>22-050</b>	Tuesdays & Thursdays	14Jul22 – 04Aug22	6:00 pm – 8:30 pm		Tiyan Training Facility room B102	
<b>75123-13</b>	<b>FIELD SAFETY: Heavy Equipment, Forklift, &amp; Crane Safety</b>					<b>\$200.00</b>
<b>75110-13</b>	<b>FIELD SAFETY: Steel Erection</b>					
<b>75121-13</b>	<b>FIELD SAFETY: Electrical Safety</b>					
<b>22-168</b>	Saturdays	30Jul22 – 13Aug22	8:00 am – 12:00 noon		Tiyan Training Facility room B102	
<b>75122-13</b>	<b>FIELD SAFETY: Working from Elevations</b>					<b>\$80.00</b>
<b>22-063</b>	Saturdays	14May22	1:00 pm – 5:00 pm		Tiyan Training Facility room B102	
<b>70101-14</b>	<b>Your Role in the Green Environment</b>					<b>\$240.00</b>
<b>22-078</b>	Saturdays	21May22 – 04Jun22	1:00 pm – 5:00 pm		Tiyan Training Facility room B102	



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### PROJECT MANAGEMENT

44101	<b>Introduction to Project Management</b>				
44102	<b>Safety</b>				<b>\$480.00</b>
44103	<b>Interpersonal Skills</b>				
22-142	Tuesdays & Thursdays	28Jun22 – 09Aug22	6:00 pm – 8:30 pm	Tiyan Training Facility room A101	
44109	<b>Resource Control</b>				
44110	<b>Quality Control</b>				<b>\$320.00</b>
44111	<b>Continuous Improvement</b>				
22-076	Tuesdays & Thursdays	31May22 – 23Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room A101	

### HEATING VENTILATION AIR CONDITIONING (LEVEL 1)

03107	<b>Introduction to Cooling</b>				<b>\$480.00</b>
22-029	Saturdays	14May22 – 18Jun22	8:00 am – 12:00 noon	Tiyan Training Facility room A105	
03109	<b>Introduction to Air Distribution Systems</b>				<b>\$240.00</b>
22-083	Saturdays	25Jun22 – 09Jul22	8:00 am – 12:00 noon	Tiyan Training Facility room A105	
03103	<b>Basic Copper &amp; Plastic Piping Practices</b>				
03104	<b>Soldering &amp; Brazing</b>				<b>\$480.00</b>
03105	<b>Basic Carbon Steel Piping Practices</b>				
22-162	Saturdays	16Jul22 – 20Aug22	8:00 am – 12:00 noon	Tiyan Training Facility room A105	



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### HEATING VENTILATION AIR CONDITIONING (LEVEL 2)

<b>03206</b>	<b>Alternating Current</b>				<b>\$160.00</b>
	<b>22-020</b>	Saturdays	14May22 – 21May22	1:00 pm – 5:00 pm	Tiyan Training Facility room A105
<b>03302</b>	<b>Compressors</b>				<b>\$200.00</b>
	<b>22-051</b>	Mondays & Wednesdays	23May22 – 15Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room A105
	<b>22-084</b>	Saturdays	28May22 – 18Jun22	1:00 pm – 5:00 pm	Tiyan Training Facility room A105
<b>03301</b>	<b>Refrigerant &amp; Oils</b>				<b>\$240.00</b>
	<b>22-071</b>	Mondays & Wednesdays	20Jun22 – 06Jul22	6:00 pm – 8:30 pm	Tiyan Training Facility room A105
	<b>22-141</b>	Saturdays	25Jun22 – 09Jul22	1:00 pm – 5:00 pm	Tiyan Training Facility room A105
<b>03205</b>	<b>Leak Detection, Evacuation, Recovery, &amp; Charging</b>				<b>\$480.00</b>
	<b>22-079</b>	Mondays & Wednesdays	11Jul22 – 22Aug22	6:00 pm – 8:30 pm	Tiyan Training Facility room A105
	<b>22-148</b>	Saturdays	16Jul22 – 20Aug22	1:00 pm – 5:00 pm	Tiyan Training Facility room A105
<b>03303</b>	<b>Metering Devices</b>				<b>\$200.00</b>
	<b>22-023</b>	Tuesdays & Thursdays	19May22 – 26May22	6:00 pm – 8:30 pm	Tiyan Training Facility room A105
<b>03211</b>	<b>Heat Pumps</b>				<b>\$320.00</b>
	<b>22-044</b>	Tuesdays & Thursdays	31May22 – 23Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room A105
<b>03215</b>	<b>Basic Maintenance</b>				<b>\$320.00</b>
	<b>22-100</b>	Tuesdays & Thursdays	28Jun22 – 26Jul22	6:00 pm – 8:30 pm	Tiyan Training Facility room A105
<b>03202</b>	<b>Chimneys, Vents, &amp; Flues</b>				
<b>03213</b>	<b>Sheet Metal Duct Systems</b>				<b>\$360.00</b>
<b>03214</b>	<b>Fiberglass &amp; Flexible Duct Systems</b>				
	<b>22-167</b>	Tuesdays & Thursdays	28Jul22 – 25Aug22	6:00 pm – 8:30 pm	Tiyan Training Facility room A105



## Course Schedule May 2022 – July 2022

### HEATING VENTILATION AIR CONDITIONING (LEVEL 3)

<b>03314-13</b>	<b>Control Circuit &amp; Motor Troubleshooting</b>				<b>\$480.00</b>
<b>22-070</b>	Saturdays	14May22 – 18Jun22	12:00 noon – 5:00 pm	Tiyan Training Facility room B101	
<b>03210-13</b>	<b>Troubleshooting Cooling</b>				<b>\$320.00</b>
<b>22-105</b>	Saturdays	25Jun22 – 16Jul22	12:00 noon – 5:00 pm	Tiyan Training Facility room B101	
<b>03311-13</b>	<b>Troubleshooting Heat Pumps</b>				<b>\$200.00</b>
<b>22-165</b>	Saturdays	23Jul22 – 06Aug22	12:00 noon – 5:00 pm	Tiyan Training Facility room B101	
<b>03209-13</b>	<b>Troubleshooting Gas Heating</b>				<b>\$400.00</b>
<b>03310-13</b>	<b>Troubleshooting Oil Heating</b>				
<b>22-043</b>	Mondays & Wednesdays	02May22 – 06Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room B101	
<b>03312-13</b>	<b>Troubleshooting Accessories</b>				<b>\$160.00</b>
<b>22-099</b>	Mondays & Wednesdays	08Jun22 – 20Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room B101	
<b>03315-13</b>	<b>Zoning, Ductless, &amp; Variable Refrigerant Flows</b>				<b>\$240.00</b>
<b>22-143</b>	Mondays & Wednesdays	22Jun22 – 13Jul22	6:00 pm – 8:30 pm	Tiyan Training Facility room B101	
<b>03305-13</b>	<b>Commercial Hydronic Systems</b>				<b>\$160.00</b>
<b>22-163</b>	Mondays & Wednesdays	18Jul22 – 27Jul22	6:00 pm – 8:30 pm	Tiyan Training Facility room B101	

### HEATING VENTILATION AIR CONDITIONING (LEVEL 4)

<b>03407-13</b>	<b>Heating &amp; Cooling System Design</b>				<b>\$400.00</b>
<b>22-072</b>	Tuesdays & Thursdays	17May22 – 16Jun22	6:00 pm – 8:30 pm	Tiyan Training Facility room B101	
<b>03408-13</b>	<b>Commercial &amp; Industrial Refrigeration Systems</b>				<b>\$320.00</b>
<b>22-145</b>	Tuesdays & Thursdays	21Jun22 – 14Jul22	6:00 pm – 8:30 pm	Tiyan Training Facility room B101	
<b>03409-13</b>	<b>Alternative &amp; Specialized Heating &amp; Cooling Systems</b>				<b>\$160.00</b>
<b>22-164</b>	Tuesdays & Thursdays	19Jul22 – 02Aug22	6:00 pm – 8:30 pm	Tiyan Training Facility room B101	