



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 December 2021 – February 2022

CORE CURRICULUM

00100	Build Your Future in Construction					\$240.00
00101	Basic Safety					
	22-022	Tuesday & Thursdays	24Feb22 – 15Mar22	6:00 pm – 8:30 pm	Tiyan Training Facility room A103	
00101-15	Basic Safety					\$200.00
	21-289	MTWThF	20Dec21 21Dec21	8:00 pm – 5:00 pm 8:00 am – 12:00 noon	Tiyan Training Facility room A103	
00102-15	Introduction to Construction Math					\$400.00
00105-15	Introduction to Construction Drawings					
	21-294	MTWThF	27Dec21 – 29Dec21	8:00 pm – 5:00 pm	Tiyan Training Facility room A103	
00103-15	Introduction to Hand Tools					\$320.00
00104-15	Introduction to Power Tools					
	21-269	Tuesday & Thursdays	07Dec21 – 30Dec21	6:00 pm – 8:30 pm	Tiyan Training Facility room A103	
	21-284	Mondays & Wednesdays	13Dec21 – 05Jan22	6:00 pm – 8:30 pm	Tiyan Training Facility room A103	
	21-291	MTWThF	23Dec21 – 24Dec21	8:00 pm – 5:00 pm	Tiyan Training Facility room A103	
00105-15	Introduction to Construction Drawings					\$160.00
	21-312	Tuesday & Thursdays	04Jan22 – 13Jan22	6:00 pm – 8:30 pm	Tiyan Training Facility room A103	
	22-003	Mondays & Wednesdays	10Jan22 – 24Jan22	6:00 pm – 8:30 pm	Tiyan Training Facility room A103	

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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CORE CURRICULUM, continued

00106-15	Basic Rigging					
00109-15	Introduction to Material Handling					\$200.00
21-287	Saturdays	11Dec21 – 08Jan22	1:00 pm – 5:00 pm		Tiyan Training Facility room A103	
21-296	MTWThF	21Dec21 22Dec21	1:00 pm – 5:00 pm 8:00 pm – 5:00 pm		Tiyan Training Facility room A103	
22-006	Tuesday & Thursdays	18Jan22 – 01Feb22	6:00 pm – 8:30 pm		Tiyan Training Facility room A103	
22-007	Mondays & Wednesdays	26Jan22 – 09Feb22	6:00 pm – 8:30 pm		Tiyan Training Facility room A103	
00107-15	Basic Communication Skills					
00108-15	Basic Employability Skills					\$240.00
21-163	Saturdays	04Dec21 – 18Dec21	8:00 am – 12:00 noon		Tiyan Training Facility room A201	
21-292	MTWThF	30Dec21 – 31Dec21	8:00 pm – 5:00 pm		Tiyan Training Facility room A103	
21-288	Saturdays	15Jan22 – 29Jan22	1:00 pm – 5:00 pm		Tiyan Training Facility room A103	
22-009	Tuesday & Thursdays	03Feb22 – 22Feb22	6:00 pm – 8:30 pm		Tiyan Training Facility room A103	
22-016	Mondays & Wednesdays	14Feb22 – 02Mar22	6:00 pm – 8:30 pm		Tiyan Training Facility room A103	

PROJECT MANAGEMENT

44101	Introduction to Project Management					
44102	Safety					\$480.00
44103	Interpersonal Skills					
21-268	Tuesdays & Thursdays	30Dec21 – 08Feb22	6:00 pm – 8:30 pm		Tiyan Training Facility room A101	
44104	Issues & Resolutions					
44105	Construction Documents					\$560.00
44106	Construction Planning					
22-015	Tuesdays & Thursdays	10Feb22 – 29Mar22	6:00 pm – 8:30 pm		Tiyan Training Facility room A101	



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EROSION AND SEDIMENT CONTROL

Erosion & Sediment Control

21-314	Mondays & Wednesdays	01Dec21 – 22Dec21	6:00 pm – 8:30 pm	Tiyan Training Facility room A101	No Charge
21-313	Saturdays	11Dec21 – 15Jan22	8:00 am – 1:00 pm	Tiyan Training Facility room B201	
21-315	Tuesdays & Thursdays	14Dec21 – 04Jan22	6:00 pm – 8:30 pm	Tiyan Training Facility room A205	

HEAVY EQUIPMENT OPERATOR (LEVEL 1)

22104-12	Basic Operations Techniques				\$440.00
21-309	Monday & Wednesdays	27Dec21 – 02Feb22	6:00 pm – 8:30 pm	Tiyan Training Facility room A101	
22105-12	Utility Tractors				\$280.00
22-002	Monday & Wednesdays	07Feb22 – 02Mar22	6:00 pm – 8:30 pm	Tiyan Training Facility room A101	
22106-12	Grades, Part One				\$240.00
21-243	Saturdays	04Dec21 – 18Dec22	1:00 pm – 5:00 pm	Tiyan Training Facility room A101	

HEAVY EQUIPMENT OPERATOR (LEVEL 3)

22310-14	Off-Road Dump Trucks				\$240.00
21-251	Saturdays	22Jan22 – 05Feb22	8:00 am – 12:00 noon	Tiyan Training Facility room A101	
22302-14	Dozers				\$480.00
21-272	Saturdays	12Feb22 – 19Mar22	8:00 am – 12:00 noon	Tiyan Training Facility room A101	



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ELECTRICAL / ELECTRONIC SYSTEM TECHNICIAN (LEVEL 1)

26104-20	Electrical Theory					
26105-20	Introduction to the National Electric Code					\$400.00
	21-310	Mondays & Wednesdays	13Dec21 – 12Jan22	6:00 pm – 8:30 pm	Tiyan Training Facility room B201	
	21-311	Saturdays	11Dec21 – 22Jan22	12:00 noon – 5:00 pm	Tiyan Training Facility room A203	
26106-20	Device Boxes					
26107-20	Hand Bending					\$320.00
	22-001	Mondays & Wednesdays	19Jan22 – 14Feb22	6:00 pm – 8:30 pm	Tiyan Training Facility room B201	
	22-011	Saturdays	29Jan22 – 19Feb22	12:00 noon – 5:00 pm	Tiyan Training Facility room A203	
26108-20	Raceways & Fittings					\$320.00
	22-019	Mondays & Wednesdays	16Feb22 – 16Mar22	6:00 pm – 8:30 pm	Tiyan Training Facility room B201	
	22-024	Saturdays	26Feb22 – 19Mar22	12:00 noon – 5:00 pm	Tiyan Training Facility room A203	
ELECTRICAL (LEVEL 2)						
26201-17	Alternating Current					\$280.00
	21-084	Tuesdays & Thursdays	02Dec21 – 23Dec21	6:00 pm – 8:30 pm	Tiyan Training Facility room B201	
26202-17	Motors: Theory & Application					\$320.00
	21-087	Tuesdays & Thursdays	28Dec21 – 20Jan22	6:00 pm – 8:30 pm	Tiyan Training Facility room B201	
26203-17	Electrical Lighting					\$240.00
	21-076	Tuesdays & Thursdays	25Jan22 – 10Feb22	6:00 pm – 8:30 pm	Tiyan Training Facility room B201	
26204-17	Conduit Bending					\$240.00
	21-137	Tuesdays & Thursdays	15Feb22 – 03Mar22	6:00 pm – 8:30 pm	Tiyan Training Facility room B201	



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ELECTRONIC SYSTEM TECHNICIAN (LEVEL 2)

33201-10	DC Circuits				\$240.00
21-217	Tuesdays & Thursdays	04Jan22 – 20Jan22	6:00 pm – 8:30 pm	Tiyan Training Facility room A203	
33202-10	AC Circuits				\$320.00
21-246	Tuesdays & Thursdays	25Jan22 – 17Feb22	6:00 pm – 8:30 pm	Tiyan Training Facility room A203	
33203-10	Switching Devices & Timers				\$240.00
21-273	Tuesdays & Thursdays	22Feb22 – 10Mar22	6:00 pm – 8:30 pm	Tiyan Training Facility room A203	

ELECTRONIC SYSTEM TECHNICIAN (LEVEL 3)

33305-11	Rack Assembly				\$280.00
21-267	Monday & Wednesdays	08Dec21 29Dec21	6:00 pm – 8:30 pm	Tiyan Training Facility room A203	
33306-11	System Commissioning and User Training				\$320.00
22-008	Monday & Wednesdays	03Jan22 – 31Jan22	6:00 pm – 8:30 pm	Tiyan Training Facility room A203	
33307-11	Maintenance & Repair				\$320.00
22-012	Monday & Wednesdays	02Feb22 – 28Feb22	6:00 pm – 8:30 pm	Tiyan Training Facility room A203	

FIELD SAFETY

75101-13	Introduction to Safety	75121-13	Electrical Safety		
75104-13	Work-Zone Safety	75122-13	Working from Elevations		
75110-13	Steel Erection	75123-13	Heavy Equipment, Forklifts, & Cranes		
75119-13	Concrete & Masonry	75124-13	Introduction to Materials Handling		\$720.00
75120-13	Confined Spaces & Excavations				
22-005	Saturdays	08Jan22 – 12Feb22	8:00 am – 5:00 pm	Tiyan Training Facility room A205	



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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	
22-021	Saturdays	19Feb22 – 26Mar22	8:00 am – 5:00 pm	Tiyan Training Facility room A205

CONSTRUCTION CRAFT LABORER (LEVEL 1)

27101-13	CARPENTRY 1: Introduction to the Trade			\$360.00
27102-13	CARPENTRY 1: Building Materials, Fasteners, & Adhesives			
21-316	MTWThF	20Dec21 – 22Dec21	8:00 pm – 5:00 pm	Tiyan Training Facility room B201
27303-14	CARPENTRY 3: Properties of Concrete			\$160.00
21-293	Saturdays	04Dec21 – 11Dec21	8:00 am – 12:00 noon	Tiyan Training Facility room B102
21-321	MTWThF	27Dec21 – 27Dec21	8:00 pm – 5:00 pm	Tiyan Training Facility room B201
27401-14	CARPENTRY 4: Site Layout One – Differential Leveling			\$320.00
21-295	Saturdays	18Dec21 – 22Jan22	8:00 am – 12:00 noon	Tiyan Training Facility room B102
21-319	MTWThF	23Dec21 – 24Dec21	8:00 pm – 5:00 pm	Tiyan Training Facility room B201
27305-14	CARPENTRY 3: Handling & Placing Concrete			\$320.00
21-283	Tuesdays & Thursdays	09Dec21 – 04Jan22	6:00 pm – 8:30 pm	Tiyan Training Facility room B102
21-322	MTWThF	28Dec21 – 29Dec21	8:00 pm – 5:00 pm	Tiyan Training Facility room B201
21-297	Saturdays	29Jan22 – 19Feb22	8:00 am – 12:00 noon	Tiyan Training Facility room B102
27307-14	CARPENTRY 3: Foundations & Slab on Grade			\$320.00
22-324	MTWThF	30Dec21 – 31Dec21	8:00 pm – 5:00 pm	Tiyan Training Facility room B201
22-004	Saturdays	06Jan22 – 01Feb22	8:00 am – 12:00 noon	Tiyan Training Facility room B102
22-025	Saturdays	26Feb22 – 19Mar22	8:00 am – 12:00 noon	Tiyan Training Facility room B102



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CONSTRUCTION CRAFT LABORER (LEVEL 2)

27304-14	CARPENTRY 3: Reinforcing Concrete				\$240.00
21-317	MTWThF	20Dec21 – 21Dec21	8:00 pm – 5:00 pm	Tiyan Training Facility room B102	
22-013	Tuesdays & Thursdays	03Feb22 – 10Feb22	6:00 pm – 8:30 pm	Tiyan Training Facility room B102	
27308-14	CARPENTRY 3: Vertical Formwork				\$360.00
21-318	MTWThF	22Dec21 – 24Dec21	8:00 pm – 5:00 pm	Tiyan Training Facility room B102	
22-018	Tuesdays & Thursdays	15Feb22 – 01Mar22	6:00 pm – 8:30 pm	Tiyan Training Facility room B102	
27309-14	CARPENTRY 3: Horizontal Formwork				\$240.00
21-320	MTWThF	27Dec21 – 28Dec21	8:00 pm – 5:00 pm	Tiyan Training Facility room B102	
75123-13	FIELD SAFETY: Heavy Equipment, Forklift, & Crane Safety				
75110-13	FIELD SAFETY: Steel Erection				\$200.00
75121-13	FIELD SAFETY: Electrical Safety				
21-323	MTWThF	29Dec21 30Dec21	8:00 pm – 5:00 pm 8:00 am – 12:00 noon	Tiyan Training Facility room B102	
27406-14	CARPENTRY 4: Introduction to Construction Equipment				\$160.00
21-325	MTWThF	30Dec21 31Dec21	1:00 pm – 5:00 pm 8:00 pm – 5:00 pm	Tiyan Training Facility room B102	
22206-13	HEAVY EQUIPMENT OPERATOR 2: Rough Terrain Forklifts				\$360.00
21-271	Saturdays	11Dec21 – 15Jan22	8:00 am – 5:00 pm	Tiyan Training Facility room B102	

CARPENTRY (LEVEL 4)

27401-14	Site Layout One – Differential Leveling				\$320.00
21-244	Mondays & Wednesdays	01Dec21 – 27Dec21	6:00 pm – 8:30 pm	Tiyan Training Facility room A205	
27402-14	Site Layout Two – Angular & Distance Measurement				\$600.00
21-260	Mondays & Wednesdays	29Dec21 – 23Feb22	6:00 pm – 8:30 pm	Tiyan Training Facility room A205	
27403-14	Advanced Roof Systems				\$320.00
22-026	Mondays & Wednesdays	28Feb22 – 23mar22	6:00 pm – 8:30 pm	Tiyan Training Facility room A205	



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HEATING VENTILATION AIR CONDITIONING (LEVEL 1)

03101	Introduction to HVAC					\$280.00
03102	Trade Mathematics					
	21-136	Saturdays	11Dec21 – 08Jan22	8:00 am – 12:00 noon	Tiyan Training Facility room A105	
03106	Basic Electricity					\$200.00
	22-027	Saturdays	15Jan22 – 29Jan22	8:00 am – 12:00 noon	Tiyan Training Facility room A105	
03108	Introduction to Heating					\$240.00
	22-028	Saturdays	02Feb22 – 19Feb22	8:00 am – 12:00 noon	Tiyan Training Facility room A105	
03107	Introduction to Cooling					\$480.00
	22-029	Saturdays	26Feb22 – 02Apr22	8:00 am – 12:00 noon	Tiyan Training Facility room A105	
03109	Introduction to Air Distribution Systems					\$240.00
	21-250	Mondays & Wednesdays	22Dec21 – 10Jan22	6:00 pm – 8:30 pm	Tiyan Training Facility room A105	
03103	Basic Copper & Plastic Piping Practices					
03104	Soldering & Brazing					\$480.00
03105	Basic Carbon Steel Piping Practices					
	21-282	Mondays & Wednesdays	12Jan22 – 28Feb22	6:00 pm – 8:30 pm	Tiyan Training Facility room A105	
	21-285	Saturdays	18Dec21 – 12Feb22	1:00 pm – 5:00 pm	Tiyan Training Facility room A105	



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HEATING VENTILATION AIR CONDITIONING (LEVEL 2)

03206	Alternating Current				\$160.00
	22-020	Saturdays	19Feb22 – 26Feb22	12:00 noon – 5:00 pm	Tiyan Training Facility room A101
03301	Refrigerant & Oils				\$240.00
	21-245	Tuesdays & Thursdays	28Dec21 – 11Jan22	6:00 pm – 8:30 pm	Tiyan Training Facility room A105
03205	Leak Detection, Evacuation, Recovery, & Charging				\$480.00
	21-252	Tuesdays & Thursdays	13Jan22 – 22Feb22	6:00 pm – 8:30 pm	Tiyan Training Facility room A105
03303	Metering Devices				\$200.00
	22-023	Tuesdays & Thursdays	13Jan22 – 22Feb22	6:00 pm – 8:30 pm	Tiyan Training Facility room A105
03202-13	Chimneys, Vents, & Flues				
03213-13	Sheet Metal Duct Systems				\$360.00
03214-13	Fiberglass & Flexible Duct Systems				
	21-202	Fridays & Saturdays	14Jan22 – 05Feb22	6:00 pm – 8:30 pm	Tiyan Training Facility room B101
03201-13	Commercial Airside Systems				\$280.00
03204-13	Air Quality Equipment				
	21-222	Fridays & Saturdays	11Feb22 – 05Mar22	6:00 pm – 8:30 pm	Tiyan Training Facility room B101



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HEATING VENTILATION AIR CONDITIONING (LEVEL 3)

03314-13	Control Circuit & Motor Troubleshooting					\$480.00
21-221	Mondays & Wednesdays	01Dec21 – 10Jan22	6:00 pm – 8:30 pm		Tiyan Training Facility room B101	
03210-13	Troubleshooting Cooling					\$320.00
21-263	Mondays & Wednesdays	12Jan22 – 09Feb22	6:00 pm – 8:30 pm		Tiyan Training Facility room B101	
03311-13	Troubleshooting Heat Pumps					\$200.00
22-017	Mondays & Wednesdays	14Feb22 – 02Mar22	6:00 pm – 8:30 pm		Tiyan Training Facility room B101	

HEATING VENTILATION AIR CONDITIONING (LEVEL 4)

03403-13	Indoor Air Quality					\$160.00
21-200	Tuesdays & Thursdays	07Dec21 – 16Dec21	6:00 pm – 8:30 pm		Tiyan Training Facility room B101	
03404-13	Energy Conservation Equipment					\$120.00
21-214	Tuesdays & Thursdays	21Dec21 – 28Dec21	6:00 pm – 8:30 pm		Tiyan Training Facility room B101	
03405-13	Building Management Systems					\$200.00
21-220	Tuesdays & Thursdays	30Dec21 – 13Jan22	6:00 pm – 8:30 pm		Tiyan Training Facility room B101	
03402-13	System Air Balancing					\$240.00
21-247	Tuesdays & Thursdays	18Jan22 – 03Feb22	6:00 pm – 8:30 pm		Tiyan Training Facility room B101	
03406-13	System Startup & Shutdown					\$240.00
22-014	Tuesdays & Thursdays	08Feb22 – 24Feb22	6:00 pm – 8:30 pm		Tiyan Training Facility room B101	