DEPARTMENT OF
LABOR
DIPÅTTMENTON HUMOTNÅT • Sam Mabini, Ph.D., Director • Cecile B. Suda, Deputy Director

EDDIE BAZA CALVO
Governor

RAY TENORIO
Lieutenant Governor

March 20, 2018

GL#34-18-1660
Speaker Benjamin J.F. Cruz

MAR 2 0 2018
Time: 12:20 [ ] AM [ ] PM File No. 84-1680
Received By:

The Honorable Benjamin J.F. Cruz
Speaker
I Mina'trentai Kuattro Na
Liheslaturan Guahan
Guam Congress Building
163 Chalan Santo Papa
Hagatna, Guam 96910

Dear Speaker Cruz:

Hafa Adai! In accordance with 22 GCA §44104, the Guam Department of Labor conducted a public hearing on Thursday, January 25, 2018, to receive opinions and recommendations from businesses and the general public to determine which areas need additional professional and skilled technical trade workers which will be incorporated into the Guam Registered Apprenticeship Program Demand Occupations Listing. As a result of the public hearing there were two (2) occupations added to subject listing. The total of demand occupations on Guam is now at 313. The listing was subsequently approved by Governor Eddie Baza Calvo on March 15, 2018. As stipulated in 22 GCA §44104, I hereby transmit the updated Demand Occupations Listing for the Guam Registered Apprenticeship Program for your approval.

A copy of the public hearing proceedings is also attached.

Si Yu'os Ma'ase

for: CBSuda
Dr. Shirley "Sam" Mabini,
Director

2018 MAR 20 PM 1:09

Attachments

1660

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DEPARTMENT OF
LABOR
DIPÅTTMENTON HUMOTNÅT • Sam Mabini, Ph.D., Director • Cecile B. Suda, Deputy Director

EDDIE BAZA CALVO
Governor

RAY TENORIO
Lieutenant Governor

March 7, 2018

MEMORANDUM

To: **Governor of Guam**

From: **Director**

Subject: **Guam Registered Apprenticeship Program Demand Occupations Listing**

Hafa Adai! In accordance with 22 GCA §44104, the Guam Department of Labor conducted a public hearing on Thursday, January 25, 2018, to receive opinions and recommendations from businesses and the general public to determine which areas need additional professional and skilled technical trade workers which will be incorporated into the Guam Registered Apprenticeship Program Demand Occupations Listing. As a result, two (2) occupations have been added to subject listing. As stipulated in 22 GCA §44104, attached is the 2018 Demand Occupations Listing for the Guam Registered Apprenticeship Program, submitted for your approval.

Si Yu'os ma'ase'

for: CBSuda
DR. "SAM" SHIRLEY MABINI
Director

Attachment

The referenced Demand Occupations Listing for the Guam Registered Apprenticeship Program is hereby approved:

EDDIE BAZA CALVO
Governor of Guam

3/15/18
Date

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Doc. No. 34GL-18-1660.

CAM-0318-1325

DEPARTMENT OF
LABOR
DIPÅTTMENTON HUMOTNÅT • Sam Mabini, Ph.D., Director • Cecile B. Suda, Deputy Director

EDDIE BAZA CALVO
Governor

RAY TENORIO
Lieutenant Governor

GUAM DEPARTMENT OF LABOR

GUAM REGISTERED APPRENTICESHIP PROGRAM

PUBLIC HEARING

JANUARY 25, 2018

10:00 a.m.

Attendees:
Phyllis Topasna, Staff
Jodeen Reyes, Staff

I. Call to Order. At 10:00 a.m., Phyllis Topasna, Program Coordinator II, acting on behalf of Dr. Shirley (Sam) Mabini, Director, Guam Department of Labor, noted for the record that aside from herself and staff member Jodeen Reyes, there were no other attendees at the public hearing.

22 GCA 44§44104 specifies that in the first quarter of each fiscal year the Director of Labor shall conduct a public hearing to receive opinions and recommendations from business and the general public to determine which areas need additional professional and skilled technical trade workers.

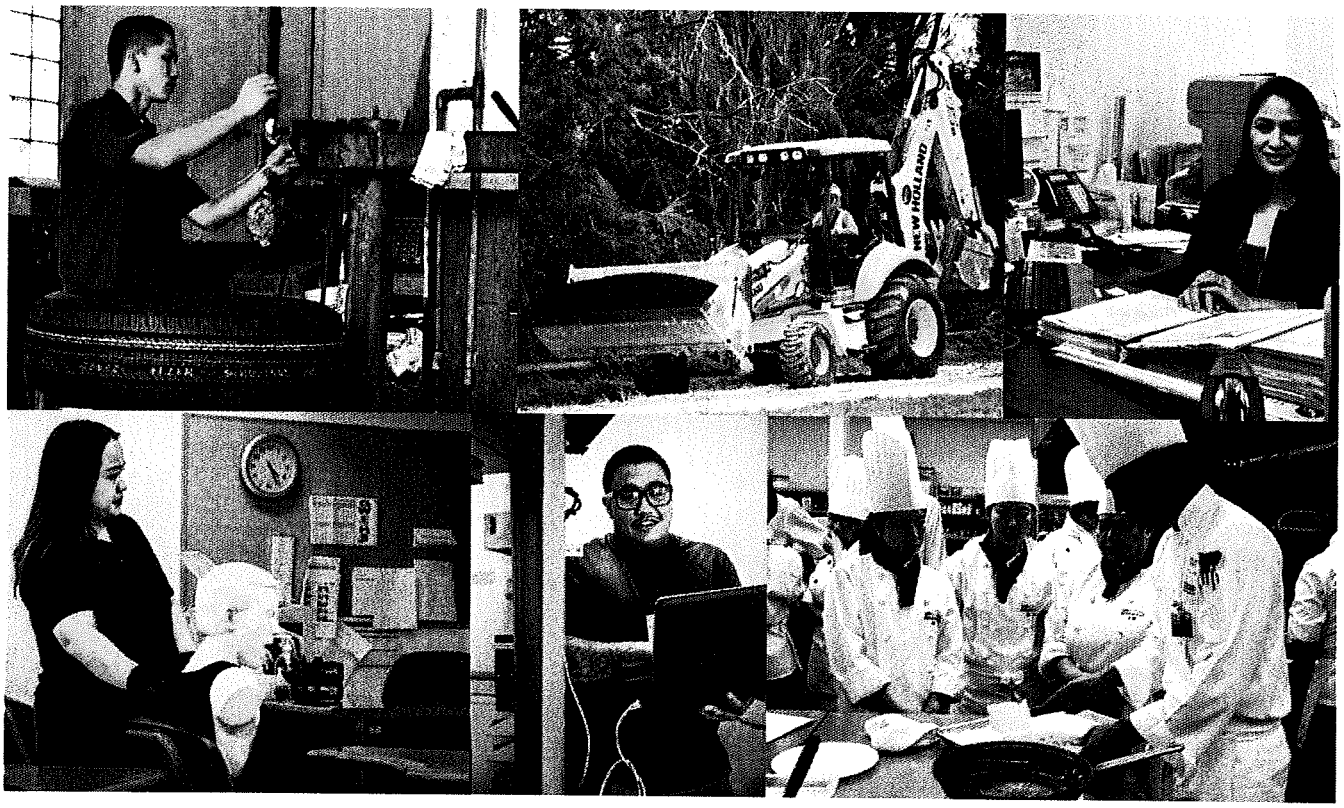
II. Adjournment. As there were no other participants the GRAP Public Hearing concluded at 10:30 a.m.

Prepared by:
P. Topasna
Program Coordinator II

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ApprenticeshipGUAM



Guam Department of Labor

2018 Demand Occupations Listing

Last Revised: March 2018

Doc. No. 34GL-18-1660.

ApprenticeshipGUAM

#	O*NET/SOC CODES	OCCUPATIONAL TITLE	TERM	TYPE OF TRAINING	YEAR ADDED
1	43-3031.00	Accounting Technician	4000-5000	Hybrid	2014
2	49-3023.02	Air Conditioning Mechanic (Auto Service)	2000	Time-Based	
3	55-3014.00	Aircraft Armament Mechanic	8000	Time-Based	2009
4	49-2091.00	Aircraft Mechanic Electrical	8000	Time-Based	2009
5	51-2011.02	Aircraft Mechanic Plumber & Hydraulics	8000	Time-Based	2009
6	49-3011.01	Airframe & Powerplant Mechanic	8000	Time-Based	2009
7	53-3011.00	Ambulance Attendant (EMT)	2000	Time-Based	2011
8	47-2141.00	Architectural, Coatings Finisher	6000	Time-Based	2008
9	47-2071.00	Asphalt Paving Machine Operator	6000	Time-Based	2009
10	51-5023.09	Assistant Press Operator	4000	Time-Based	2009
11	49-2097.00	Audio-Video Repairer	4000	Time-Based	2009
12	49-3023.01	Auto, Truck, Trailer Repair Mechanic	7328	Time-Based	2010
13	49-4041.00	Auto-Maintenance-Equipment Servicer	8000	Time-Based	2011
14	49-3021.00	Automobile Body Repairer	8000	Time-Based	
15	49-3023.01	Automobile Mechanic	8000	Time-Based	
16	49-3023.02	Automotive Technician Specialist	*CB	Comp-Based	2009
17	49-3023.02	Automotive Technician Specialist	*CB	Comp-Based	2011
18	49-9099.99	Aviation Safety Equipment Technician	8000	Time-Based	2009
19	49-9041.00	Aviation Support Equipment Repairer	8000	Time-Based	2009
20	51-3011.02	Baker (Bake Produce)	6000	Time-Based	
21	51-3011.01	Baker (Hotel & Restaurant)	6000	Time-Based	
22	39-5011-00	Barber	2000	Time-Based	2014
23	35-3011.00	Bartender	2000	Time-Based	2011
24	51-5011.02	Bindery Worker	8000	Time-Based	2008
25	49-9062.00	Biomedical Equipment Technician	8000	Time-Based	2014
26	47-2031.05	Boatbuilder, Wood	8000	Time-Based	2008
27	13-1041.05	Boiler and Pressure Vessel Inspector	2000	Time-Based	2009
28	51-8021.02	Boiler Operator	8000	Time-Based	2008
29	47-2011.00	Boilermaker Fitter	8000	Time-Based	2008
30	47-2011.00	Boilermaker I	6000	Time-Based	
31	47-2011.00	Boilermaker II	6000	Time-Based	
32	47-2021.00	Bricklayer (Brick & Tile)	8000	Time-Based	2008
33	47-2021.00	Bricklayer (Construction)	6000	Time-Based	2008
34	51-3021.00	Butcher (Hotel & Restaurant)	6000	Time-Based	2008
35	51-3023.00	Butcher, Meat (All–Round)	6000	Time-Based	2008
36	51-7011.00	Cabinetmaker	8000	Time-Based	
37	51-7011.00	Cabinetmaker	5200-8000	Hybrid	2011
38	49-9051.00	Cable Installer – Repairer	6000	Time-Based	
39	49-9051.00	Cable Splicer	8000	Time-Based	
40	49-9052.00	Cable Television Installer	2000	Time-Based	
41	17-3023.02	Calibration Laboratory Technician	8000	Time-Based	2008
42	49-3023.02	Carburetor Mechanic	8000	Time-Based	2009
43	13-1071.01	Career Development Technician	*CB	Comp-Based	2009
44	47-2031.01	Carpenter	8000	Time-Based	
45	47-2031.01	Carpenter	5200-8000	Hybrid	2011
46	47-2031.01	Carpenter, Maintenance	8000	Time-Based	2008

ApprenticeshipGUAM

#	O*NET/SOC CODES	OCCUPATIONAL TITLE	TERM	TYPE OF TRAINING	YEAR ADDED
47	47-2031.01	Carpenter, Mold	2000	Time-Based	2016
48	47-2031.04	Carpenter, Ship	8000	Time-Based	
49	47-2041.00	Carpet Layer	6000	Time-Based	
50	47-2051.00	Cement Mason	4000	Time-Based	
51	49-2022.01	Central Office – Installer	8000	Time-Based	2008
52	49-2022.01	Central Office – Repairer	8000	Time-Based	2008
53	19-4031.00	Chemical Engineering Technician	8000	Time-Based	2009
54	19-4031.00	Chemical Laboratory Technician	8000	Time-Based	2009
55	07-3031.00	Chief of Party (Professional & Kindred)	8000	Time-Based	2010
56	39-9011.00	Child Care Development Specialist	4000	Time-Based	2009
57	53-3021.00	Coach Operator	2000	Time-Based	2016
58	49-9091.00	Coin-Machine Service Repairer	6000	Time-Based	2009
59	27-1021.00	Commercial Designer	8000	Time-Based	2009
60	15-1051.00	Communications-Computer Systems	*CB	Comp-Based	2009
61	43-9011.00	Computer Operator	6000	Time-Based	
62	15-1021.00	Computer Programmer	4000	Time-Based	
63	15-1121.00	Computer Systems Analyst	2240-3428	Hybrid	2017
64	47-2061.00	Construction Craft Laborer	4000	Time-Based	
65	47-2061.00	Construction Craft Laborer	4000-5100	Hybrid	2011
66	49-3042.00	Construction Equipment Mechanic	8000	Time-Based	
67	35-2012.00	Cook (Any Industry)	4000	Time-Based	
68	35-2014.00	Cook (Hotel & Restaurant)	6000	Time-Based	
69	35-2014.00	Cook (Hotel & Restaurant)	4000-6000	Hybrid	2011
70	51-3011.01	Cook, Pastry (Hotel & Restaurant)	6000	Time-Based	
71	33-3012.00	Correction Officer	2000	Time-Based	2015
72	49-2095.00	Corrosion-Control Fitter	8000	Time-Based	2009
73	39-5012.00	Cosmetologist	2000	Time-Based	2014
74	21-1012.00	Counselor	4000	Time-Based	2009
75	19-4092.00	Crime Scene Technician	*CB	Comp-Based	2009
76	49-9031.02	Customer Service Representative	6000	Time-Based	2011
77	31.9091.00	Dental Assistant	2000	Time-Based	2008
78	51-9081.00	Dental Laboratory Technician	6000	Time-Based	2008
79	29-2034.01	Diagnostic Imaging Specialty	*CB	Comp-Based	2009
80	51-4111.00	Die Finisher	8000	Time-Based	2008
81	51-4022.00	Die Setter (Forging)	4000	Time-Based	2009
82	49-3031.00	Diesel Mechanic	8000	Time-Based	
83	17-3011.01	Drafter, Architectural	8000	Time-Based	
84	17-3011.02	Drafter, Civil	8000	Time-Based	
85	17-3011.01	Drafter, Commercial	8000	Time-Based	
86	17-3012.02	Drafter, Electrical	8000	Time-Based	
87	17-3012.01	Drafter, Electronic	8000	Time-Based	
88	17-3011.01	Drafter, Heating & Ventilation	8000	Time-Based	
89	17-3011.01	Drafter, Landscape	8000	Time-Based	
90	17-3011.01	Drafter, Marine	8000	Time-Based	
91	17-3013.00	Drafter, Mechanical	8000	Time-Based	
92	17-3011.01	Drafter, Plumbing	8000	Time-Based	

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#	O*NET/SOC CODES	OCCUPATIONAL TITLE	TERM	TYPE OF TRAINING	YEAR ADDED
93	17-3011.01	Drafter, Structural	6000	Time-Based	
94	53-7031.00	Dredge Operator	2000	Time-Based	2009
95	13-1073.00	Education and Training	*CB	Comp-Based	2012
96	49-9012.01	Electric Meter Installer I	8000	Time-Based	2010
97	49-9012.01	Electric Meter Repairer	8000	Time-Based	2010
98	51-9061.03	Electric Meter Tester	8000	Time-Based	2010
99	49-2092.00	Electric Motor Repairer	8000	Time-Based	2016
100	49-2092.01	Electrical Appliance Repairer	6000	Time-Based	2009
101	17-3023.03	Electrical Technician	8000	Time-Based	2009
102	47-2111.00	Electrician	8000	Time-Based	
103	47-2111.00	Electrician (Ship & Boat)	8000	Time-Based	
104	49-2091.00	Electrician, Aircraft	8000	Time-Based	2009
105	47-2111.00	Electrician, Maintenance	8000	Time-Based	2008
106	49-2095.00	Electrician, Powerhouse	8000	Time-Based	2008
107	49-2095.00	Electrician, Substation	6000	Time-Based	2010
108	17-3024.00	Electro-Mechanical Technican	6000	Time-Based	2016
109	49-2022.03	Electronic Systems Technician	8000	Time-Based	
110	49-2011.02	Electronics Mechanic	8000	Time-Based	
111	17-3023.01	Electronics Technician	8000	Time-Based	
112	47-4021.00	Elevator Constructor	6800	Time-Based	2016
113	47-4021.00	Elevator Constructor Mechanic	8000	Time-Based	2016
114	47-4021.00	Elevator Repairer	8000	Time-Based	2008
115	29-2041.00	Emergency Medical Technician	6000	Time-Based	2008
116	49-3053.00	Engine Repairer, Service	8000	Time-Based	
117	19-2041.00	Environmental Analyst	7000	Time-Based	2008
118	49-2022.0	Equipment Installer (Telephone & Telegraph)	8000	Time-Based	2009
119	17-3012.02	Estimator and Drafter	8000	Time-Based	
120	37-2021.00	Exterminator, Termite	4000	Time-Based	2009
121	51-2041.00	Fabricator-Assembler Metal Products	8000	Time-Based	2016
122	49-3041.00	Farm Equipment Mechanic I	6000	Time-Based	2017
123	49-3041.00	Farm Equipment Mechanic II	8000	Time-Based	2017
124	45-2091.00	Farm Worker, General I	2000	Time-Based	2017
125	11-9013.02	Farmer, General (Agriculture)	8000	Time-Based	2016
126	47-4031.00	Fence Erector	6000	Time-Based	
127	27-4012.00	Field Engineer (Radio & TV)	8000	Time-Based	2009
128	49-2094.00	Field Service Engineer	4000	Time-Based	2009
129	43-3051.00	Financial Management	*CB	Comp-Based	2010
130	33-2011.01	Fire Fighter	6000	Time-Based	2008
131	33-2011.01	Fire Fighter, Crash, Fire	2000	Time-Based	2008
132	33-2021.01	Fire Inspector	8000	Time-Based	2008
133	55-3014.00	Fire-Control Mechanic	4000	Time-Based	2008
134	51-2041.02	Fitter (Machine Shop)	4000	Time-Based	2009
135	47-2042.00	Floor Layer	6000	Time-Based	2016
136	17-2131.00	Foundry Metallurgist	8000	Time-Based	2008
137	49-3023.02	Fuel Injection Servicer	8000	Time-Based	2009
138	49-9041.00	Fuel System Maintenance Worker	4000	Time-Based	2009

#	O*NET/SOC CODES	OCCUPATIONAL TITLE	TERM	TYPE OF TRAINING	YEAR ADDED
139	49-9031.02	Gas Appliance Servicer	6000	Time-Based	2009
140	49-3053.00	Gas-Engine Repairer	8000	Time-Based	2009
141	47-2152.01	Gas-Main Fitter	8000	Time-Based	2009
142	49-9012.03	Gas-Meter Mechanic I	6000	Time-Based	2009
143	49-9012.02	Gas-Regulator Repairer	6000	Time-Based	2009
144	51-8093.03	Gauger (Petrol Products)	4000	Time-Based	2009
145	17-1021.00	Geospatial Specialist	*CB	Comp-Based	2010
146	47-2121.00	Glazier	6000	Time-Based	2008
147	27-1024.00	Graphic Designer	3000	Time-Based	2011
148	37-3011.00	Greenskeeper II	4000	Time-Based	2009
149	39-5012.00	Hair Stylist (Cosmetologist)	2000	Time-Based	2009
150	47-4099.99	Hazardous-Waste Material Technician	4000	Time-Based	
151	31-1011.00	Health Support Specialist (Certified Medical Aide)	750-1500	Hybrid	2009
152	31-1011.00	Health Support Specialist (Certified Nurses Aid)	500-1000	Hybrid	2009
153	31-1011.00	Health Support Specialist (Rehabilitative Aide)	200-400	Hybrid	2009
154	49-9021.01	Heating & Air Conditioning Installer-Servicer	6000	Time-Based	
155	31-1011.00	Home Health Aide	*CB	Comp-Based	2009
156	31-1011.00	Home Health Aide (1086B Disability Specialist) LV 2	*CB	Comp-Based	2009
157	31-1011.00	Home Health Aide (1086C Hospice Specialist) LV 3	*CB	Comp-Based	2009
158	31-1011.00	Home Health Aide (1086D Mental Illness Specialist) LV 4	*CB	Comp-Based	2009
159	31-1011.00	Home Health Aide (1086E Dementia Specialist) LV 5	*CB	Comp-Based	2009
160	31-1011.00	Home Health Aide (1086G Geriatric Specialist) LV 7	*CB	Comp-Based	2009
161	43-4081.00	Hotel Associate	4000	Time-Based	2009
162	53-7061.00	Hydro Blaster/Vacuum Technician	4000	Time-Based	2009
163	27-1013.01	Illustrator (Professional & Kindred)	8000	Time-Based	2008
164	27-1021.00	Industrial Designer	8000	Time-Based	2008
165	17-3026.00	Industrial Engineering Technician	8000	Time-Based	2008
166	43-9022.00	Information Management (Word Processing)	*CB	Comp-Based	2014
167	47-4011.00	Inspector, Building	6000	Time-Based	2008
168	51-9051.05	Inspector, Motor Vehicles	4000	Time-Based	2011
169	13-1041.04	Inspector, Quality Assurance	6000	Time-Based	
170	17-3023.02	Instrument Mechanic (Any Industry)	8000	Time-Based	2008
171	17-3023.02	Instrument Repairer (Any Industry)	8000	Time-Based	2008
172	17-3023.02	Instrument Technician (Utilities)	8000	Time-Based	2011
173	17-3023.02	Instrumentation Technician	8000	Time-Based	
174	47-2131.00	Insulation Worker	8000	Time-Based	
175	15-1143.00	Internetworking Technician	5000	Time-Based	2015
176	15-1099.99	IT Generalist	*CB	Comp-Based	2010
177	11-3021.00	IT Project Manager	*CB	Comp-Based	2016
178	47-2031.04	Joiner (Ship & Boat Building)	8000	Time-Based	2008
179	19-4031.00	Laboratory Technician	2000	Time-Based	2009
180	19-4031.00	Laboratory Tester	4000	Time-Based	2009
181	37-3011.00	Landscape Gardener	8000	Time-Based	
182	37-3011.00	Landscape Management Technician	2000	Time-Based	2008
183	37-3011.00	Landscape Technician	4000	Time-Based	2008
184	49-9051.00	Line Erector	6000	Time-Based	2008

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#	O*NET/SOC CODES	OCCUPATIONAL TITLE	TERM	TYPE OF TRAINING	YEAR ADDED
185	49-9052.00	Line Installer-Repairer	8000	Time-Based	2008
186	51-8012.00	Load Dispatcher	8000	Time-Based	2014
187	49-9094.00	Locksmith	8000	Time-Based	2008
188	51-7031.00	Loft Worker (Ship & Boat)	8000	Time-Based	
189	17-2112.00	Logistics Engineer	8000	Time-Based	2014
190	11-9111.00	Long Term Care (LTC) Nurse Management 1105A-Level I	*CB	Comp-Based	2009
191	51-4081.01	Machine Operator I	2000	Time-Based	2008
192	51-4081.01	Machine Setter (Machine Shop)	6000	Time-Based	2008
193	51-4041.00	Machinist	8000	Time-Based	
194	51-4041.00	Machinist	*CB	Comp-Based	2011
195	49-3031.00	Machinist, Marine Engine	8000	Time-Based	
196	51-4041.00	Machinist, Outside (Ship)	8000	Time-Based	
197	51-4041.00	Maintenance Machinist	8000	Time-Based	
198	49-9041.00	Maintenance Mechanic (Any Industry)	8000	Time-Based	
199	49-3031.00	Maintenance Mechanic (Construction; Petrol)	8000	Time-Based	
200	49-9071.00	Maintenance Repairer, Build	4000	Time-Based	2010
201	49-9042.00	Maintenance Repairer, Industrial	8000	Time-Based	
202	47-2061.00	Maintenance Tech, Municipal	4000	Time-Based	2017
203	29-2034.01	Mammography Technologist	1856	Time-Based	2009
204	41-1011.00	Manager, Retail Store	6000	Time-Based	2014
205	51-3021.00	Meat Cutter	6000	Time-Based	2008
206	49-3031.00	Mechanic, Industrial Truck	8000	Time-Based	2009
207	17-3027.00	Mechanical Engineering Technician	8000	Time-Based	2008
208	31-9092.00	Medical Assistant	4000	Time-Based	2009
209	31-9092.00	Medical Assistant	*CB	Comp-Based	2017
210	43-6013.00	Medical Secretary	2000	Time-Based	2008
211	31-9094.00	Medical Transcriptionist	4000	Hybrid	2009
212	29-2012.00	Medical-Laboratory Technician	4000	Time-Based	2009
213	51.2041.00	Metal Fabricator	8000	Time-Based	2016
214	49-9012.03	Meter Repairer (Any Industry)	6000	Time-Based	2009
215	49-9044.00	Millwright	8000	Time-Based	
216	49-9044.00	Millwright	5200-8000	Time-Based	2011
217	49-9044.00	Millwright	7328	Hybrid	2011
218	51-9195.02	Molder, Pattern (Foundry)	8000	Time-Based	2009
219	49-3051.00	Motorboat Mechanic	6000	Time-Based	
220	47-2073.01	Motor-Grader Operator	6000	Time-Based	2011
221	47-5031.00	Munitions Systems	*CB	Comp-Based	2009
222	15-1142.00	Network and Computer Systems Administrator (IT Specialist)	*CB	Comp-Based	2017
223	17-3029.99	Non-Destructive Tester	2000	Time-Based	2009
224	17-3029.99	Non-Destructive Tester	*CB	Comp-Based	2011
225	31-1012.00	Nurse Assistant	2000	Time-Based	
226	31-1012.00	Nurse Assistant Certified	1600-2200	Time-Based	
227	31-1012.00	Nurse Assistant Certified/CNA/Level 1	*CB	Comp-Based	
228	31-1012.00	Nurse Assistant Certified/CNA/Level 2 (Advanced)	*CB	Comp-Based	
229	31-1012.00	Nurse Assistant Certified/CNA/Level 3 (Dementia Specialty)	*CB	Comp-Based	2009
230	31-1012.00	Nurse Assistant Certified/CNA/Level 3 (Geriatric Specialty)	*CB	Comp-Based	2009

ApprenticeshipGUAM

#	O*NET/SOC CODES	OCCUPATIONAL TITLE	TERM	TYPE OF TRAINING	YEAR ADDED
231	29-2061.00	Nurse, Licensed Practical	2000	Time-Based	
232	11-3011.00	Office Manager/Admin Services	4000	Time-Based	2010
233	47-2073.00	Operating Engineer	6000	Time-Based	
234	47-2073.00	Operating Engineer	4000-6000	Hybrid	2011
235	51-9083.02	Optical Instrument Assembly	4000	Time-Based	2008
236	51-9081.00	Orthodontic Technician	4000	Time-Based	2009
237	47-2141.00	Painter (Construction)	6000	Time-Based	
238	47-2141.00	Painter (Shipyard)	6000	Time-Based	
239	51-4062.00	Patternmaker (All Around)	10000	Time-Based	2016
240	51-4062.00	Patternmaker (Metal Product)	8000	Time-Based	2008
241	51-7032.00	Patternmaker, Wood	10000	Time-Based	2008
242	29-2052.00	Pharmacist Assistant	2000	Time-Based	
243	53-5021.03	Pilot, Ship	3000	Time-Based	2008
244	49-9041.00	Pinsetter Adjuster, Automatic	6000	Time-Based	2009
245	49-9043.00	Pinsetter Mechanic, Automatic	4000	Time-Based	2008
246	47-2132.00	Pipe Coverer & Insulator	8000	Time-Based	2008
247	47-2152.01	Pipe Fitter (Construction)	8000	Time-Based	
248	47-2152.01	Pipe Fitter (Ship & Boat)	8000	Time-Based	
249	47-2152.01	Pipe Fitter-Sprinkler Fitter	8000	Time-Based	
250	51-9021.00	Plant Operator	6000	Time-Based	2008
251	47-2161.00	Plasterer	4000	Time-Based	
252	47-2161.00	Plasterer	4500-8000	Hybrid	2011
253	47-2152.02	Plumber	8000	Time-Based	
254	49-9041.00	Pneumatic Tool Repairer	8000	Time-Based	
255	33-3051.01	Police Officer I	4000	Time-Based	2014
256	49-9041.00	Powerhouse Mechanic	8000	Time-Based	2015
257	49-3011.02	Power-Plant Mechanic	3000	Time-Based	
258	51-8013.01	Power-Plant Operator	8000	Time-Based	2011
259	49-2092.04	Power-Transformer Repairer	8000	Time-Based	2008
260	27-2012.01	Program Assistant	6000	Time-Based	2009
261	15-1021.00	Programmer, Engineering & Scientific (Computer)	8000	Time-Based	2009
262	27-3031.00	Public Affairs	*CB	Comp-Based	2011
263	49-9041.00	Pump Servicer	6000	Time-Based	2010
264	13-1023.00	Purchasing Agent	8000	Time-Based	
265	51-9061.01	Quality Control Inspector	4000	Time-Based	2009
266	17-3026.00	Quality Control Technician	4000	Time-Based	2009
267	49-9021.00	Refrigeration & Air Conditioning Mechanic	7480-8800	Time-Based	2009
268	49-9021.02	Refrigeration Mechanic (Any Industry)	6000	Time-Based	
269	47-2171.00	Reinforcing Ironworker Concrete	4000	Time-Based	2009
270	47-2171.00	Reinforcing Ironworker Concrete	6000-8000	Hybrid	2011
271	47-2171.00	Reinforcing Metal Worker	6000	Time-Based	
272	49-9096.00	Rigger	6000	Time-Based	
273	49-9096.00	Rigger (Ship & Boat Building)	4000	Time-Based	
274	47-2181.00	Roofer	4000	Time-Based	2009
275	29-9011.00	Safety Inspector/Technician	6000	Time-Based	
276	41-2022.00	Salesperson Parts	4000	Time-Based	2014

#	O*NET/SOC CODES	OCCUPATIONAL TITLE	TERM	TYPE OF TRAINING	YEAR ADDED
277	51-9195.03	Sandblaster, Stone	6000	Time-Based	
278	51-4194.00	Saw Filer (Any Industry)	8000	Time-Based	
279	47-2211.00	Sheet Metal Worker	8000	Time-Based	
280	47-2211.00	Sheet Metal Worker	8000-9000	Hybrid	2011
281	51-4192.00	Shipfitter (Ship & Boat)	8000	Time-Based	
282	47-2031.05	Shipwright (Ship & Boat)	8000	Time-Based	
283	51-6041.00	Shoe Repairer	6000	Time-Based	2011
284	47-4099.99	Sign Erector I	6000	Time-Based	2008
285	49-3053.00	Small Engine Mechanic	4000	Time-Based	2009
286	47-2221.00	Structural Steel/Ironworker	6000	Time-Based	
287	47-2221.00	Structural Steel/Ironworker	6000-8000	Hybrid	2011
288	17-3031.01	Surveyor Assistant, Instrument	4000	Time-Based	2009
289	49-2022.03	Technician, Submarine Cable	4000	Time-Based	
290	49-2022.03	Telecommunications Technician	8000	Time-Based	
291	49-2097.00	Television & Radio Repairer	8000	Time-Based	
292	43-3071.00	Teller (Financial)	2000	Time-Based	2010
293	47-2053.00	Terrazzo Finisher	4000	Time-Based	
294	47-2053.00	Terrazzo Finisher	3500-4000	Hybrid	2011
295	47-2053.00	Terrazzo Worker	6000	Time-Based	2008
296	47-2053.00	Terrazzo Worker	4500-8000	Hybrid	2011
297	47-3011.00	Tile Finisher	6000	Time-Based	2011
298	47-3011.00	Tile Finisher	3500-4000	Hybrid	2011
299	47-2044.00	Tile Setter	6000	Time-Based	
300	47-2044.00	Tile Setter	4500-8000	Hybrid	2011
301	49-9041.00	Treatment Plant Mechanic	6000	Time-Based	
302	49-3021.00	Truck Body Builder	8000	Time-Based	2008
303	53-7021.00	Truck Crane Operator	6000	Time-Based	2008
304	53-3032.01	Truck Driver, Heavy	2000	Time-Based	2008
305	53-3032.00	Truck Driver, Heavy	3000-4560	Hybrid	2009
306	47-5031.00	Unexploded Ordinance Specialist	TBD	TBD	2018
307	31-9096.00	Veterinary/Lab Animal Technician	CB	Comp-Based	2018
308	51.8031.00	Waste Treatment Operator	4000	Time-Based	
309	51-8031.00	Wastewater-Treatment Plant Operator	4000	Time-Based	2009
310	51-8031.00	Water Treatment Plant Operator	4000	Time-Based	2010
311	51-4121.02	Welder, Arc	8000	Time-Based	
312	51-4121.02	Welder, Combination	6000	Time-Based	
313	51-4121.06	Welderfitter	8000	Time-Based	2014

*CB Occupations have no hours

Types of Training:

- The **Time-Based** approach measures skill acquisition through the individual apprentice's completion of at least 2,000 hours of on the job learning as described in a work process schedule.

#	O*NET/SOC CODES	OCCUPATIONAL TITLE	TERM	TYPE OF TRAINING	YEAR ADDED

- The **Competency-Based** approach measures skill acquisition through the individual apprentice's successful demonstration of acquired skills and knowledge, as verified by the program sponsor. Programs utilizing this approach must still require apprentices to complete an on-the-job learning component of Registered Apprenticeship. The program standards must address how on-the-job learning will be integrated into the program, describe competencies, and identify an appropriate means of testing and evaluation for such competencies.

- The **Hybrid** approach measures the individual apprentice's skill acquisition through a combination of specified minimum number of hours of on-the-job learning and the successful demonstration of competency as describe in a work process schedule.