

PLUMBER ELECTRICIAN PAINT  
HEAVY EQUIPMENT OPERAT  
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POWER LINE WORKER MASON SHE  
PLUMBER ELECTRICIAN PAINT

# **BUILD YOUR FUTURE: MILITARY CROSSWALK**

Helping veterans find careers in construction.





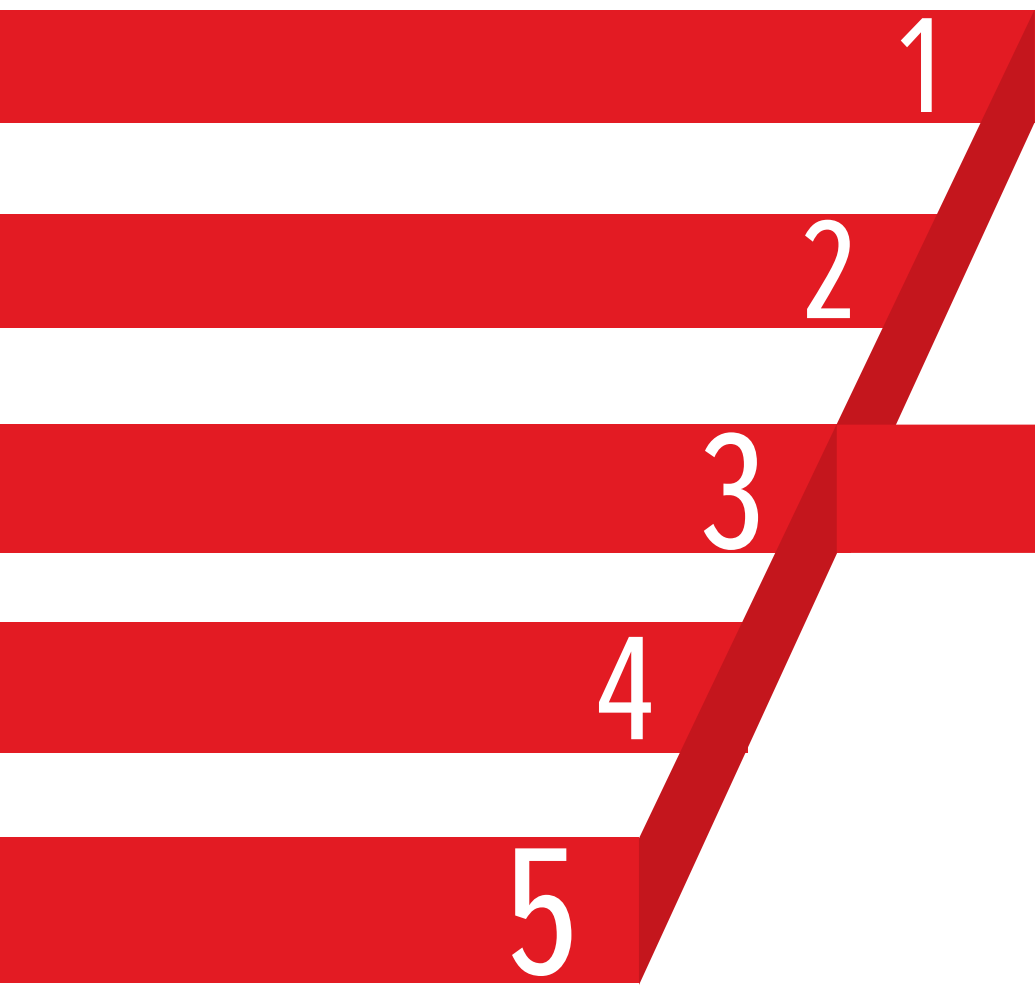
**AIR FORCE**

**ARMY**

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**How does military training line up with careers in construction?** Use the table below to discover how various careers in the military match up with NCCER craft training. Find out about potential job growth and wage information in various construction fields.

## AIR FORCE

JOB TITLE	Military Title(s) and Code(s) <sup>1</sup>	O*NET Job Number <sup>1</sup>	Craft (NCCER) <sup>2</sup>	Projected Job Growth <sup>1</sup>	Wage Information
Electricians	3E011-Electrical Systems Helper (Air Force - Enlisted); 3E031-Electrical Systems Apprentice (Air Force - Enlisted); 3E051-Electrical Systems Journeyman (Air Force - Enlisted); 3E071-Electrical Systems Craftsman (Air Force - Enlisted)	47-2111.00	Electrical Level 1-4	Bright Outlook: Faster than average (20% to 28%)	\$25.62 hourly, \$53,294 annual <sup>2</sup>
Occupational Health and Safety Technicians	1S011-Safety Helper (Air Force - Enlisted); 1S031-Safety Apprentice (Air Force - Enlisted); 1S051-Safety Journeyman (Air Force - Enlisted); 1S071-Safety Craftsman (Air Force - Enlisted)	29-9012.00	Safety Orientation, Field Safety, Safety Technology	Average (10% to 19%)	\$22.13 hourly, \$46,030 annual <sup>1</sup>
Occupational Health and Safety Specialists	1S000-Safety Manager (Air Force - Enlisted); 1S091-Safety Superintendent (Air Force - Enlisted)	29-9011.00	Safety Orientation, Field Safety, Safety Technology	Slower than average (3% to 9%)	\$31.86 hourly, \$66,270 annual <sup>1</sup>
Refrigeration Mechanics and Installers	3E111-Heating, Ventilation, Air Conditioning, and Refrigeration Helper (Air Force - Enlisted); 3E131-Heating, Ventilation, Air Conditioning, and Refrigeration Apprentice (Air Force - Enlisted); 3E151-Heating, Ventilation, Air Conditioning, and Refrigeration Journeyman (Air Force - Enlisted); 3E171-Heating, Ventilation, Air Conditioning, and Refrigeration Craftsman (Air Force - Enlisted)	49-9021.02	HVAC Level 1-4	Bright Outlook: Much faster than average (29% or higher)	\$21.89 hourly, \$45,540 annual <sup>3</sup>
Welders, Cutters and Welder Fitters	2A711-Aircraft Metals Technology Helper (Air Force - Enlisted); 2A731-Aircraft Metals Technology Apprentice (Air Force - Enlisted); 2A751-Aircraft Metals Technology Journeyman (Air Force - Enlisted); 2A771-Aircraft Metals Technology Craftsman (Air Force - Enlisted)	51-4121.06	Welding Level 1-4	Average (10% to 19%)	\$27.36 hourly, \$56,904 annual <sup>2</sup>



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**ARMY**

<b>JOB TITLE</b>	<b>Military Title(s) and Code(s)<sup>1</sup></b>	<b>O*NET Job Number<sup>1</sup></b>	<b>Craft (NCCER)<sup>2</sup></b>	<b>Projected Job Growth<sup>1</sup></b>	<b>Wage Information</b>
Construction Carpenters	12W-Carpentry and Masonry Specialist (Army - Enlisted); No longer active: 21W-Carpentry and Masonry Specialist (Army - Enlisted); 51B-Carpentry and Masonry Specialist (Army - Enlisted)	47-2031.01	Carpentry Level 1-4	Bright Outlook: Faster than average (20% to 28%)	\$23.44 hourly, \$48,756 annual <sup>2</sup>
Crane and Tower Operators	21F-Crane Operator (Army - Enlisted); 62F-Crane Operator (Army - Enlisted)	53-7021.00	Mobile Crane Operations Level 1-3 Tower Crane Operator	Average (10% to 19%)	\$22.34 hourly, \$46,460 annual <sup>1</sup>
Electrical Power-Line Installers and Repairers	12Q-Powerline Distribution Specialist (RC) (Army - Enlisted); No longer active: 21Q-Powerline Distribution Specialist (RC) (Army - Enlisted)	49-9051.00	Power Line Worker Installer Level 1 Power Line Worker: Distribution Level 2, 3	Average (10% to 19%)	\$28.94 hourly, \$60,190 annual <sup>1</sup>
Electricians	12R-Interior Electrician (Army - Enlisted); No longer active: 21R-Interior Electrician (Army - Enlisted); 51R-Interior Electrician (Army - Enlisted)	47-2111.00	Electrical Level 1-4	Bright Outlook: Faster than average (20% to 28%)	\$25.62 hourly, \$53,294 annual <sup>2</sup>
Plumbers	12K Plumber (Army - Enlisted) No longer active: 21K-Plumber (Army - Enlisted); 51K-Plumber (Army - Enlisted)	47-2152.02	Plumbing Level 1-4	Bright Outlook: Faster than average (20% to 28%)	\$24.92 hourly, \$51,830 annual <sup>3</sup>
Telecommunications Equipment Installers and Repairers, Except Line Installers	29E-Electronic Warfare Specialist (Army - Enlisted)	49-2022.00	Electronic Systems Technician Level 1-4	Average (10% to 19%)	\$25.94 hourly, \$53,960 annual <sup>1</sup>
Telecommunications Line Installers and Repairers	25L-Cable Systems Installer-Maintainer (Army - Enlisted); No longer active: 31L-Cable Systems Installer-Maintainer (Army - Enlisted); 36C-Wire Systems Installer (Army - Enlisted)	49-9052.00	Power Line Worker Installer Level 1 Power Line Worker: Distribution Level 2, 3	Average (10% to 19%)	\$24.87 hourly, \$51,720 annual <sup>1</sup>
Welders, Cutters and Welder Fitters	44B-Metal Worker (Army - Enlisted); 91W-Metal Worker (Army - Enlisted); 44A-Metalworking Apprentice (Army - Enlisted)	51-4121.06	Welding Level 1-4	Average (10% to 19%)	\$27.36 hourly, \$56,904 annual <sup>2</sup>

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## COAST GUARD

JOB TITLE	Military Title(s) and Code(s) <sup>1</sup>	O*NET Job Number <sup>1</sup>	Craft (NCCER) <sup>2</sup>	Projected Job Growth <sup>1</sup>	Wage Information
Boilermakers	703-Utilitiesman - Boilerman (Coast Guard - Enlisted)	47-2011.00	Boilermaking Level 1-4	Bright Outlook: Faster than average (20% to 28%)	\$27.36 hourly, \$56,910 annual <sup>1</sup>
Cement Masons and Concrete Finishers	664-Builder - Concrete (Coast Guard - Enlisted)	47-2051.00	Concrete Finisher Level 1, 2 Masonry Level 1-3	Bright Outlook: Much faster than average (29% or higher)	\$17.11 hourly, \$35,600 annual <sup>1</sup>
Electrical and Electronics Installers and Repairers, Transportation Equipment	270-Electrician's Mate (Coast Guard - Enlisted)	49-2093.00	Electrical Level 1-4	Little or no change (-2% to 2%)	\$23.95 hourly, \$49,810 annual <sup>1</sup>
Occupational Health and Safety Specialists	035-Marine Safety Specialist (Coast Guard - Warrant Officer only); 40-Marine Safety - General (Coast Guard - Commissioned Officer only); 42-Port Safety/Environmental Protection - General (Coast Guard - Commissioned Officer only); 66-Aviation Safety (Coast Guard - Commissioned Officer only)	29-9011.00	Safety Orientation, Field Safety, Safety Technology	Slower than average (3% to 9%)	\$31.86 hourly, \$66,270 annual <sup>1</sup>
Pipe Fitters and Steamfitters	313-Shipfitter - Pipefitter (Coast Guard - Enlisted)	47-2152.01	Pipefitting Level 1-4	Bright Outlook: Faster than average (20% to 28%)	\$26.32 hourly, \$54,737 annual <sup>2</sup>
Refrigeration Mechanics and Installers	702-Utilitiesman - Air Conditioning (Coast Guard - Enlisted)	49-9021.02	HVAC Level 1-4	Bright Outlook: Much faster than average (29% or higher)	\$21.89 hourly, \$45,540 annual <sup>3</sup>
Sheet Metal Workers	312-Shipfitter - Metalsmith (Coast Guard - Enlisted)	47-2211.00	Sheet Metal Level 1-4	Average (10% to 19%)	\$22.46 hourly, \$46,721 annual <sup>2</sup>



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**MARINE CORPS**

<b>JOB TITLE</b>	<b>Military Title(s) and Code(s)<sup>1</sup></b>	<b>O*NET Job Number<sup>1</sup></b>	<b>Craft (NCCER)<sup>2</sup></b>	<b>Projected Job Growth<sup>1</sup></b>	<b>Wage Information</b>
Cement Masons and Concrete Finishers	1300-Basic Engineer, Construction, and Equipment Marine (Marine Corps - Enlisted)	47-2051.00	Concrete Finisher Level 1, 2; Masonry Level 1-3	Bright Outlook: Much faster than average (29% or higher)	\$17.11 hourly, \$35,600 annual <sup>1</sup>
Construction Carpenters	1300-Basic Engineer, Construction, and Equipment Marine (Marine Corps - Enlisted)	47-2031.01	Carpentry Level 1-4	Bright outlook: Faster than average (20% to 28%)	\$23.44 hourly, \$48,756 annual <sup>2</sup>
Electricians	1141-Electrician (Marine Corps - Enlisted)	47-2111.00	Electrical Level 1-4	Bright Outlook: Faster than average (20% to 28%)	\$25.62 hourly, \$53,294 annual <sup>2</sup>
Occupational Health and Safety Specialists	8012-Ground Safety Officer (Marine Corps - Commissioned or Warrant Officer); 8012-Ground Safety Specialist (Marine Corps - Enlisted); No longer active: 9956-Ground Safety Specialist (Officer) (Marine Corps - Commissioned or Warrant Officer); 9956-Ground Safety Specialist (Marine Corps - Enlisted)	29-9011.00	Safety Orientation, Field Safety, Safety Technology	Slower than average (3% to 9%)	\$31.86 hourly, \$66,270 annual <sup>1</sup>
Refrigeration Mechanics and Installers	1161-Refrigeration and Air Conditioning Technician (Marine Corps - Enlisted); 6073-Aircraft Maintenance Support Equipment Electrician/Refrigeration Mechanic (Marine Corps - Enlisted)	49-9021.02	HVAC Level 1-4	Bright Outlook: Much faster than average (29% or higher)	\$21.89 hourly, \$45,540 annual <sup>3</sup>
Structural Metal Fabricators and Fitters	1316-Metal Worker (Marine Corps - Enlisted)	51-2041.00	Ironworking Level 1-3 Welding Level 1-4	Average (10% to 19%)	\$16.91 hourly, \$35,170 annual <sup>1</sup>
Telecommunications Equipment Installers and Repairers, Except Line Installers	2800-Basic Ground Electronics Maintenance Marine (Marine Corps - Enlisted); No longer active: 0618-Electronic Switching Operator/Maintainer (DTC) (Marine Corps - Enlisted); 2822-Electronic Switching Equipment Technician (Marine Corps - Enlisted)	49-2022.00	Electronic Systems Technician Level 1-4	Average (10% to 19%)	\$25.94 hourly, \$53,960 annual <sup>1</sup>
Welders, Cutters and Welder Fitters	6043-Aircraft Welder (Marine Corps - Enlisted);	51-4121.06	Welding Level 1-4	Average (10% to 19%)	\$27.36 hourly, \$56,904 annual <sup>2</sup>

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## NAVY

<b>JOB TITLE</b>	<b>Military Title(s) and Code(s)<sup>1</sup></b>	<b>O*NET Job Number<sup>1</sup></b>	<b>Craft (NCCER)<sup>2</sup></b>	<b>Projected Job Growth<sup>1</sup></b>	<b>Wage Information</b>
Boilermakers	4502-Boiler Repairer Technician (Navy - Enlisted)	47-2011.00	Boilermaking Level 1-4	Bright Outlook: Faster than average (20% to 28%)	\$27.36 hourly, \$56,910 annual <sup>1</sup>
Electrical and Electronics Installers and Repairers, Transportation Equipment	4135-LCAC Electrical Systems Maintenance Technician (Navy - Enlisted); 7133 EA-6B Electrical Component IMA Technician (Navy - Enlisted); 7175-P-3/C-130/E-2/C-2 Electrical Component IMA Technician (Navy - Enlisted); 7182-P-3A/B Integrated Electrical System OMA Specialist (Navy - Enlisted); 4739-Gigabit Ethernet Data Multiplex System (GEDMS) Interior Communications (IC) Electrician (Navy - Enlisted); 4799-Interior Communications Electrician Basic (Navy - Enlisted); 7173-ASM-175 Electronic Module Test Console IMA Technician (Navy - Enlisted); IC-Interior Communications Electrician (Navy - Enlisted)	49-2093.00	Electrical Level 1-4	Little or no change (-2% to 2%)	\$23.95 hourly, \$49,810 annual <sup>1</sup>
Electricians	4626-DD-963/LHD-1 Electrical Component Maintenance Technician (Navy - Enlisted); 4632-FFG-7 Class Auxiliaries Electrical System Technician (Navy - Enlisted); 4752-Electrolytic Oxygen Generator (Model 6L16) Electrical Technician (Navy - Enlisted); 4754-Planning Series - Oxygen Generating Plant Electrical/Electronic Maintenance Technician (Navy - Enlisted); 5635-Advanced Construction Electrician (Navy - Enlisted); 5699-Construction Electrician Basic (Navy - Enlisted); CE-Construction Electrician (Navy - Enlisted)	47-2111.00	Electrical Level 1-4	Bright Outlook: Faster than average (20% to 28%)	\$25.62 hourly, \$53,294 annual <sup>2</sup>

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Industrial Machinery Mechanics	4355-LAMPS MK III RAST Mechanical Maintenceman (Navy - Enlisted); 7601-Support Equipment Cryogenic Mechanic (Navy - Enlisted); 7606-Support Equipment Gas Turbine Mechanic (Navy - Enlisted)	49-9041.00	Industrial Maintenance Mechanic Level 1-4	Bright Outlook: Faster than average (20% to 28%)	\$24.64 hourly, \$51,251 annual <sup>2</sup>
Occupational Health and Safety Specialists	8656-Aviation Safety Officer (Navy - Commissioned or Warrant Officer), 8995-Staff Aviation Safety Officer (Navy - Commissioned or Warrant Officer), 9571-Safety Technician (Navy - Enlisted)	29-9011.00	Safety Technology, Field Safety, Safety Orientation	Slower than average (3% to 9%)	\$31.86 hourly, \$66,270 annual <sup>1</sup>
Pipe Fitters and Steamfitters	4952-NAMTS Pipefitter (Navy - Enlisted)	47-2152.01	Pipefitting Level 1-4	Bright outlook: Faster than average (20% to 28%)	\$26.32 hourly, \$54,737 annual <sup>2</sup>
Refrigeration Mechanics and Installers	6104-Shore-Based Refrigeration and Air Conditioning Technician (Navy - Enlisted); No longer active: 4223-NAMTS Air Conditioning and Refrigeration (Navy - Enlisted)	49-9021.02	HVAC Level 1-4	Bright Outlook: Much faster than average (29% or higher)	\$21.89 hourly, \$45,540 annual <sup>3</sup>
Riggers	0120 NAMTS Rigger/Weight Tester (Navy - Enlisted)	49-9096.00	Basic Rigger, Intermediate Rigger, Advanced Rigger, Signal Person	Average (10% to 19%)	\$24.99 hourly, \$51,971 annual <sup>2</sup>
Sheet Metal Workers	4912-NAMTS Sheetmetal Worker (Navy - Enlisted)	47-2211.00	Sheet Metal Levels 1-4	Average (10% to 19%)	\$22.46 hourly, \$46,721 annual <sup>2</sup>

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Telecommunications Equipment Installers and Repairers, Except Line Installers	5977-Electronic Equipment Installation, Maintenance and Repair Officer (Navy - Commissioned or Warrant Officer); 6940-Weapons Installation and Repair Superintendent (Navy - Commissioned or Warrant Officer); 7241-Machinery Installation and Repair Superintendent (Navy - Commissioned or Warrant Officer); 14RO-SSN Radio Frequency (RF)Equipment Operator (Navy - Enlisted); No longer active: 14RO-SSN Radio Frequency (RF)Equipment Operator (Navy - Enlisted); 4785-NAMTS Interior Communication Repair Technician, FFG-7 Class Specialization (Navy - Enlisted); 4786-NAMTS Interior Communication Repair Technician, IVCS (STC-2(V)) Specialization (Navy - Enlisted); 4716-Ship's Service Telephone System (Dimension 2000) PBX Repairman (Navy - Enlisted)	49-2022.00	Electronic Systems Technician Level 1-4	Average (10% to 19%)	\$25.94 hourly, \$53,960 annual <sup>1</sup>
Welders, Cutters and Welder Fitters	3351-Submarine Nuclear Propulsion Plant Emergency Welder (Navy - Enlisted), 4955-Advanced Welder (Navy - Enlisted), 7222-Aeronautical Welder (Navy - Enlisted); No longer active: 4954-General Maintenance Welder (Navy - Enlisted), 4956-Nuclear Power Plant Components Welder (Navy - Enlisted)	51-4121.06	Welding Level 1-4	Average (10% to 19%)	\$27.36 hourly, \$56,904 annual <sup>2</sup>

## REFERENCES

1. O\*NET OnLine. 2012. <http://www.onetonline.org/>
2. NCCER. 2012. <http://www.nccer.org>
3. U.S. Bureau of Labor Statistics. 2012. <http://www.bls.gov/>

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HEAVY EQUIPMENT OPERATOR WELDER  
RIGGER HVAC TECHNICIAN SPRINKLER FITTER  
WIND TURBINE MAINTENANCE TECHNICIAN SIGNAL PERSON  
CARPENTER IRONWORKER CRANE OPERATOR  
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