



HARD HAT HEROES: CROSSWALK

ARMY EQUIVALENCY ALIGNMENT

THEY'VE DEFENDED AMERICA, NOW LET'S HELP THEM BUILD IT.





GETTING STARTED AND DEFINITIONS

INTRODUCTION

Did you know that nearly 200,000 service members are transitioning each year and have a difficult time translating their acquired skills and experience into marketable civilian jobs/careers? Do you receive quite a few military applications, but are challenged by the language and skill set that individuals possess? Hard Hat Heroes has created a task-based alignment that will close that communication gap between employers and veterans. This document will help construction industry hiring representatives identify the knowledge and skills candidates possess, focus on the specific training they need and ultimately place veterans more effectively.

PURPOSE

NCCER wants to give credit to military members for the training they received while in the service. Transitioning military and veterans are able to go to hardhatheroes.org and submit their existing training to receive NCCER credentials and view the areas where they need additional training.

This alignment is provided to assist hiring managers in identifying the existing knowledge and skills a veteran has and to outline the training he or she needs to be fully competent.

WHAT THIS ALIGNMENT IS ABOUT

Hard Hat Heroes has identified Army Specialty Codes that have training that align directly with NCCER craft training. These codes are organized into sections and a table is provided for each one defining NCCER's crafts, levels and modules that align to that specific military specialty code.

Each module builds upon one another to accomplish a level completion and this information is tracked through NCCER. An industry-recognized credential is awarded with level completions and each craft usually has three to four levels.

NCCER DEFINITIONS:

NCCER Curriculum is broken down by craft/discipline, is competency-based, modular in format and compliant with Department of Labor Office of Apprenticeship requirements.

CRAFT:

Another name for a trade (i.e. carpentry, masonry and welding). NCCER refers to individuals working in a trade as being a craft professional.

BOOK:

This is an instructional unit which makes up NCCER's curriculum levels. These units are generally referred to as chapters in textbooks. Module completions require successful completion of both a written test and performance test when available.

LEVEL:

A number of modules designed and sequenced to form approximately one year of training and/or a minimum of 144 hours of instruction.

CREDENTIAL:

A document or certificate with NCCER's stamp of approval stating an individual has completed training in specific craft areas.

Visit hardhatheroes.org for more information.



FIND YOUR CROSSWALK

Corps of Engineer

120A: Construction Engineer Technician	1
125D: Geospatial Engineer Technician	4
12A10: Engineer Officer Basic	6
12A20: Engineer Officer Career	10
12A E-9: Engineer Senior Sergeant	12
12H30: Construction Engineering Supervisor Basic	15
12H40: Construction Engineering Supervisor Advanced	17
12K10: Plumber Basic	19
12N10: Horizontal Construction Engineer Basic	23
12N40: Horizontal Construction Engineer Advanced	28
12R10: Interior Electrician Basic	30
12V10: Concrete and Asphalt Equipment Operator Basic	33
12W10: Carpenter & Mason Basic	35
12X: Engineering Supervisor	41
12Z: Combat Engineering Senior Sergeant	44
91L10: Construction Equipment Repairer Basic	46

Combat Engineer

12B10: Combat Engineer	49
12B20: Combat Engineer	51
12B30: Combat Engineer	53
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Prime Power Production

12P20: Prime Power Production Specialist Basic	57
12P40: Chief Prime Power Technician	71
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12P U4: Prime Power Production Specialist: Power Line Distribution	82

Technical Engineer

12T10: Technical Engineer	84
12T20: Technical Engineer	85
12T30: Technical Engineer	90
12T40: Technical Engineer	92

Other

E-1 or Higher: Soldier	95
E-5 or Higher: Noncommissioned Officer	97
O-1 or Higher: Officer	99

NCCER Credential Equivalency Alignment

Army: 120A

Construction Engineer Technician



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CRAFT	LEVEL	MODULE	MODULE TITLE
Project Management	1	44101	Introduction to Project Management
		44102	Safety
		44103	Interpersonal Skills
		44104	Issues and Resolutions
		44105	Construction Documents
		44106	Construction Planning
		44107	Estimating and Cost Control
		44108	Scheduling
		44110	Quality Control and Assurance
		44111	Continuous Improvement



CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving
		MT203	Safety
		MT205	Contract and Construction Documents
		MT206	Document Control and Estimating
		MT207	Planning and Scheduling
		MT208	Resource Control and Cost Awareness

CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership

NCCER Credential Equivalency Alignment

Army: 125D

Geospatial Engineer Technician



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CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving
		MT203	Safety

CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership

NCCER Credential Equivalency Alignment

Army: 12A10

Engineer Officer Basic





CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00101	Basic Safety
		00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
		00104	Introduction to Power Tools
		00105	Introduction to Construction Drawings
		00107	Basic Communication Skills
		00108	Basic Employability Skills
		00109	Introduction to Material Handling



CRAFT	LEVEL	MODULE	MODULE TITLE
Project Management	1	44101	Introduction to Project Management
		44102	Safety
		44103	Interpersonal Skills
		44104	Issues and Resolutions
		44106	Construction Planning
		44107	Estimating and Cost Control
		44108	Scheduling
		44109	Resource Control
		44110	Quality Control and Assurance
		44111	Continuous Improvement



CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving
		MT203	Safety
		MT204	Quality Control
		MT205	Contract and Construction Documents
		MT206	Document Control and Estimating
		MT207	Planning and Scheduling
		MT208	Resource Control and Cost Awareness

CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership
Sustainable Construction	70101	Your Role In the Green Environment
Safety Technology	75219	Hazard Recognition, Environmental Awareness, and Occupational Health

NCCER Credential Equivalency Alignment

Army: 12A20

Engineer Officer Career



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CRAFT	LEVEL	MODULE	MODULE TITLE
Project Management	1	44105	Construction Documents

NCCER Credential Equivalency Alignment

Army: 12A E-9

Engineer Senior Sergeant





CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00101	Basic Safety
		00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
		00104	Introduction to Power Tools
		00105	Introduction to Construction Drawings
		00107	Basic Communication Skills
		00108	Basic Employability Skills
		00109	Introduction to Material Handling

CRAFT	LEVEL	MODULE	MODULE TITLE
Project Management	1	44101	Introduction to Project Management
		44102	Safety
		44103	Interpersonal Skills
		44104	Issues and Resolutions
		44105	Construction Documents
		44106	Construction Planning
		44107	Estimating and Cost Control
		44108	Scheduling
		44109	Resource Control
		44110	Quality Control and Assurance
		44111	Continuous Improvement



CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving
		MT203	Safety
		MT204	Quality Control
		MT205	Contract and Construction Documents
		MT206	Document Control and Estimating
		MT207	Planning and Scheduling
		MT208	Resource Control and Cost Awareness

NCCER Credential Equivalency Alignment

Army: 12H30

Construction Engineering Supervisor Basic





CRAFT	LEVEL	MODULE	MODULE TITLE
Project Management	1	44101	Introduction to Project Management
		44103	Interpersonal Skills
		44104	Issues and Resolutions
		44106	Construction Planning
		44108	Scheduling

CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT202	Human Relations and Problem Solving
		MT207	Planning and Scheduling

CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership

NCCER Credential Equivalency Alignment

Army: 12H40

Construction Engineering Supervisor Advanced





CRAFT	LEVEL	MODULE	MODULE TITLE
Project Management	1	44102	Safety
		44105	Construction Documents
		44107	Estimating and Cost Control
		44110	Quality Control and Assurance
		44111	Continuous Improvement

CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT201	Orientation to the Job
		MT203	Safety
		MT204	Quality Control
		MT205	Contract and Construction Documents
		MT206	Document Control and Estimating
		MT208	Resource Control and Cost Awareness

NCCER Credential Equivalency Alignment

Army: 12K10

Plumber Basic



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CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00101	Basic Safety
		00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
		00104	Introduction to Power Tools
		00105	Introduction to Construction Drawings
		00107	Basic Communication Skills
		00108	Basic Employability Skills
		00109	Introduction to Material Handling



CRAFT	LEVEL	MODULE	MODULE TITLE
Plumbing	1	02101	Introduction to the Plumbing Profession
		02103	Tools of the Plumbing Trade
		02104	Introduction to Plumbing Math
		02105	Introduction to Plumbing Drawings
		02106	Plastic Pipe and Fittings
		02107	Copper Pipe and Fittings
		02109	Carbon Steel Pipe and Fittings
		02110	Introduction to Plumbing Fixtures
		02111	Introduction to Drain, Waste, and Vent (DWV) Systems
		02112	Introduction to Water Distribution Systems
Plumbing	2	02201-13	Plumbing Math Two
		02202-13	Reading Commercial Drawings
		02204-13	Installing and Testing DWV Piping
		02206-13	Installing and Testing Water Supply Piping
		02207-13	Types of Valves
		02208-13	Installing Fixtures and Valves
		02209-13	Installing Water Heaters
		02210-13	Basic Electricity



CRAFT	LEVEL	MODULE	MODULE TITLE
Plumbing	3	02301-14	Applied Math
		02305-14	Types of Venting
		02311-14	Service Plumbing

CRAFT	MODULE	MODULE TITLE
Sustainable Construction	70101	Your Role In the Green Environment
Safety Technology	75219	Hazard Recognition, Environmental Awareness, and Occupational Health

NCCER Credential Equivalency Alignment

Army: 12N10

Horizontal Construction Engineer Basic



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CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00101	Basic Safety
		00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
		00104	Introduction to Power Tools
		00105	Introduction to Construction Drawings
		00107	Basic Communication Skills
		00108	Basic Employability Skills
		00109	Introduction to Material Handling



CRAFT	LEVEL	MODULE	MODULE TITLE
Heavy Equipment Operations	1	22101	Orientation to the Trade
		22102	Heavy Equipment Safety
		22103	Identification of Heavy Equipment
		22104	Basic Operational Techniques
		22105	Utility Tractors
		22106	Grades, Part One
		22201	Introduction to Earthmoving
Heavy Equipment Operations	2	22202	On-Road Dump Trucks
		22204	Scrapers
		22205	Loaders
		22209	Interpreting Civil Drawings
		22210	Site Work
		22212	Skid Steers
		22308	Soils



CRAFT	LEVEL	MODULE	MODULE TITLE
Heavy Equipment Operations	3	22302	Dozers
		22303	Backhoes
		22304	Excavators
		22305	Motor Graders
		22310	Off-Road Dump Trucks

CRAFT	LEVEL	MODULE	MODULE TITLE
Heavy Highway Construction	1	36101	Orientation to the Trade
		36111	Heavy Highway Construction Equipment



CRAFT	LEVEL	MODULE	MODULE TITLE
Site Layout	1	78101-04	Introduction to Site Layout
		78103-04	Survey Equipment Use and Care One

CRAFT	MODULE	MODULE TITLE
Sustainable Construction	70101	Your Role In the Green Environment
Safety Technology	75219	Hazard Recognition, Environmental Awareness, and Occupational Health

NCCER Credential Equivalency Alignment

Army: 12N40

Horizontal Construction Engineer Advanced





CRAFT	LEVEL	MODULE	MODULE TITLE
Project Management	1	44102	Safety
		44105	Construction Documents
		44107	Estimating and Cost Control
		44110	Quality Control and Assurance
		44111	Continuous Improvement

CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT201	Orientation to the Job
		MT203	Safety
		MT204	Quality Control
		MT205	Contract and Construction Documents
		MT206	Document Control and Estimating
		MT208	Resource Control and Cost Awareness

NCCER Credential Equivalency Alignment

Army: 12R10

Interior Electrician Basic



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CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00101	Basic Safety
		00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
		00104	Introduction to Power Tools
		00105	Introduction to Construction Drawings
		00107	Basic Communication Skills
		00108	Basic Employability Skills
		00109	Introduction to Material Handling



CRAFT	LEVEL	MODULE	MODULE TITLE
Electrical	1	26101-20	Occupational Overview: The Electrical Industry
		26102-20	Safety for Electricians
		26103-20	Introduction to Electrical Circuits
		26105-20	Introduction to the National Electrical Code®
		26106-20	Device Boxes
		26107-20	Hand Bending
		26108-20	Wireways, Raceways & Fittings
		26110-20	Basic Electrical Construction Drawings
		26111-20	Residential Wiring
		26112-20	Electrical Test Equipment
Electrical	2	26203-20	Electric Lighting
		26204-20	Conduit Bending
		26205-20	Pull and Junction Boxes
		26210-20	Circuit Breakers and Fuses

CRAFT	MODULE	MODULE TITLE
Sustainable Construction	70101	Your Role In the Green Environment
Safety Technology	75219	Hazard Recognition, Environmental Awareness, and Occupational Health

NCCER Credential Equivalency Alignment

Army: 12V10

Concrete and Asphalt Equipment Operator Basic



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CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00101	Basic Safety
		00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
		00104	Introduction to Power Tools
		00105	Introduction to Construction Drawings
		00107	Basic Communication Skills
		00108	Basic Employability Skills
		00109	Introduction to Material Handling

CRAFT	LEVEL	MODULE	MODULE TITLE
Concrete Construction	1	23101	Introduction to Concrete Construction
		23102	Concrete Safety
		23204	Site Concrete

CRAFT	MODULE	MODULE TITLE
Sustainable Construction	70101	Your Role In the Green Environment
Safety Technology	75219	Hazard Recognition, Environmental Awareness, and Occupational Health

NCCER Credential Equivalency Alignment

Army: 12W10

Carpenter & Mason Basic



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CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00101	Basic Safety
		00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
		00104	Introduction to Power Tools
		00105	Introduction to Construction Drawings
		00107	Basic Communication Skills
		00108	Basic Employability Skills
		00109	Introduction to Material Handling

CRAFT	LEVEL	MODULE	MODULE TITLE
Sheet Metal	2	04202	Construction and Sheet Metal Drawings



CRAFT	LEVEL	MODULE	MODULE TITLE
Concrete Construction	1	23101	Introduction to Concrete Construction
		23102	Concrete Safety
		23104	Concrete Tools and Equipment
		23105	Preparing for Placement
		23107	Finishing Concrete
		23108	Curing and Protecting Concrete
		23204	Site Concrete
Concrete Construction	2	23202	Estimating Concrete Quantities
		23210	Concrete Repair
		23211	Troubleshooting and Quality Control
		23212	Properties of Concrete



CRAFT	LEVEL	MODULE	MODULE TITLE
Carpentry	1	27101	Orientation to the Trade
		27102	Building Materials, Fasteners and Adhesives
		27103	Hand and Power Tools
		27105	Floor Systems
		27110	Basic Stair Layout
		27111	Wall Systems
		27112	Ceiling Joist and Roof Framing
Carpentry	2	27202	Roofing Applications
		27204	Exterior Finishing
		27205	Cold-Formed Steel Framing
		27208	Doors and Door Hardware
		27210	Window, Door, Floor, and Ceiling Trim



CRAFT	LEVEL	MODULE	MODULE TITLE
Carpentry	3	27303	Properties of Concrete
		27304	Reinforcing Concrete
		27305	Handling and Placing Concrete
		27307	Foundations and Slabs-on-Grade
		27308	Vertical Formwork
Carpentry	4	27404	Advanced Wall Systems
		27405	Advanced Stair Systems



CRAFT	LEVEL	MODULE	MODULE TITLE
Masonry	1	28101	Introduction to Masonry
		28102	Masonry Tools and Equipment
		28103	Measurements, Drawings, and Specifications
		28104	Mortar
		28106	Masonry Safety
Masonry	2	28203	Reinforced Masonry
		28205	Advanced Laying Techniques

CRAFT	MODULE	MODULE TITLE
Sustainable Construction	70101	Your Role In the Green Environment
Safety Technology	75219	Hazard Recognition, Environmental Awareness, and Occupational Health

NCCER Credential Equivalency Alignment

Army: 12X

Engineering Supervisor



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CRAFT	LEVEL	MODULE	MODULE TITLE
Project Management	1	44101	Introduction to Project Management
		44102	Safety
		44103	Interpersonal Skills
		44104	Issues and Resolutions
		44105	Construction Documents
		44106	Construction Planning
		44107	Estimating and Cost Control
		44108	Scheduling
		44110	Quality Control and Assurance
		44111	Continuous Improvement

CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving
		MT203	Safety
		MT205	Contract and Construction Documents
		MT206	Document Control and Estimating
		MT207	Planning and Scheduling
		MT208	Resource Control and Cost Awareness

CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership

NCCER Credential Equivalency Alignment

Army: 12Z

Combat Engineering Senior Sergeant





CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving
		MT203	Safety

CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership

NCCER Credential Equivalency Alignment

Army: 91L10

Construction Equipment Repairer Basic



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CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00101	Basic Safety
		00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
		00104	Introduction to Power Tools
		00107	Basic Communication Skills
		00108	Basic Employability Skills
		00109	Introduction to Material Handling



CRAFT	LEVEL	MODULE	MODULE TITLE
Industrial Maintenance Mechanic	1	32101-07	Orientation to the Trade
		32102-07	Tools of the Trade
		32105-07	Gaskets and Packing
		32109-07	Valves
		32110-07	Introduction to Test Instruments
		32113-07	Lubrication
Industrial Maintenance Mechanic	2	32205-07	Identify, Install, and Maintain Valves
		32207-07	Introduction to Bearings
Industrial Maintenance Mechanic	3	32303-08	Installing Bearings

CRAFT	MODULE	MODULE TITLE
Sustainable Construction	70101	Your Role In the Green Environment
Safety Technology	75219	Hazard Recognition, Environmental Awareness, and Occupational Health

NCCER Credential Equivalency Alignment

Army: 12B10

Combat Engineer



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CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00101	Basic Safety
		00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
		00104	Introduction to Power Tools
		00105	Introduction to Construction Drawings
		00107	Basic Communication Skills
		00108	Basic Employability Skills
		00109	Introduction to Material Handling

CRAFT	MODULE	MODULE TITLE
Sustainable Construction	70101	Your Role In the Green Environment
Safety Technology	75219	Hazard Recognition, Environmental Awareness, and Occupational Health

NCCER Credential Equivalency Alignment

Army: 12B20

Combat Engineer





CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT202	Human Relations and Problem Solving

CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership

NCCER Credential Equivalency Alignment

Army: 12B30

Combat Engineer



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CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving

CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership

NCCER Credential Equivalency Alignment

Army: 12B40

Combat Engineer



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CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving
		MT203	Safety

CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership

NCCER Credential Equivalency Alignment

Army: 12P20

Power Production Specialist Basic



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CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00101	Basic Safety
		00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
		00104	Introduction to Power Tools
		00105	Introduction to Construction Drawings
		00107	Basic Communication Skills
		00108	Basic Employability Skills
		00109	Introduction to Material Handling

CRAFT	LEVEL	MODULE	MODULE TITLE
Pipefitting	3	08304	Advanced Pipefitting Math



CRAFT	LEVEL	MODULE	MODULE TITLE
Instrumentation	1	12106-14	Fasteners
		12107-14	Instrument Drawings and Documents, Part One
		12108-14	Gaskets, O-Rings, and Packing
		12109-14	Lubricants, Sealants, and Cleaners
		12111-14	Tubing
		12113-14	Hoses
		12114-14	Hand and Power Tools for Instrumentation
		12115-14	Instrumentation Safety Practices
		12116-14	Electrical Systems for Instrumentation
		12117-14	Steel Piping Practices
		12119-14	Craft-Related Mathematics
Instrumentation	2	12304-14	Inspect, Handle, and Store Instrumentation Materials
		12210-15	Temperature, Pressure, Level, and Flow
		12202-15	Instrument Drawings and Documents, Part Two
		12301-15	Instrument Fitter's Math
		12303-15	Clean, Purge, and Test Tubing and Piping Systems



CRAFT	LEVEL	MODULE	MODULE TITLE
Instrumentation	3	12204-16	Process Control Theory
		12206-16	Controllers
		12207-16	Control Valves, Actuators, and Positioners
		12208-16	Relays and Timers
		12209-16	Switches and Photoelectric Devices
		12305-16	Instrumentation Electrical Circuitry
		12306-16	Grounding and Shielding of Instrumentation Wiring
		12307-16	Terminating Conductors
Instrumentation	4	12406-16	Programmable Logic Controllers
		12409-16	Analyzers and Monitors



CRAFT	LEVEL	MODULE	MODULE TITLE
Electrical	1	26101-20	Occupational Overview: The Electrical Industry
		26102-20	Safety for Electricians
		26103-20	Introduction to Electrical Circuits
		26104-20	Electrical Theory
		26106-20	Device Boxes
		26107-20	Hand Bending
		26109-20	Conductors and Cables
		26110-20	Basic Electrical Construction Drawings
		26112-20	Electrical Test Equipment



CRAFT	LEVEL	MODULE	MODULE TITLE
Electrical	2	26201-20	Alternating Current
		26202-20	Motors: Theory and Application
		26203-20	Electric Lighting
		26204-20	Conduit Bending
		26205-20	Pull and Junction Boxes
		26206-20	Conductor Installations
		26207-20	Cable Tray
		26208-20	Conductor Terminations and Splices
		26209-20	Grounding and Bonding
		26210-20	Circuit Breakers and Fuses
		26211-20	Control Systems and Fundamental Concepts



CRAFT	LEVEL	MODULE	MODULE TITLE
Electrical	3	26301-20	Load Calculations - Branch and Feeder Circuits
		26302-20	Conductor Selection and Calculations
		26305-20	Overcurrent Protection
		26307-20	Transformers
		26309-20	Motor Calculations
Electrical	4	26401-20	Load Calculations - Feeders and Services
		26403-20	Standby and Emergency Systems
		26406-20	Specialty Transformers
		26407-20	Advanced Controls
		26410-20	Motor Operation and Maintenance
		26411-20	Medium-Voltage Terminations/Splices

CRAFT	MODULE	MODULE TITLE
Managing Electrical Hazards	26501-21	Managing Electrical Hazards (2021 NFPA 70E)

CRAFT	LEVEL	MODULE	MODULE TITLE
Welding	1	29107	SMAW - Equipment and Setup



CRAFT	LEVEL	MODULE	MODULE TITLE
Industrial Maintenance Mechanic	1	32102-07	Tools of the Trade
		32103-07	Fasteners and Anchors
		32104-07	Oxyfuel Cutting
		32105-07	Gaskets and Packing
		32106-07	Craft-Related Mathematics
		32107-07	Construction Drawings
		32108-07	Pumps and Drivers
		32109-07	Valves
		32111-07	Material Handling and Hand Rigging
		32113-07	Lubrication
Industrial Maintenance Mechanic	2	32202-07	Introduction to Piping Components
		32203-07	Copper and Plastic Piping Practices
		32204-07	Introduction to Ferrous Metal Piping Practices
		32205-07	Identify, Install, and Maintain Valves
		32207-07	Introduction to Bearings
		32208-07	Low-Pressure Steam Systems
		32211-07	Heaters, Furnaces, Heat Exchangers, Cooling Towers, and Fin Fans
		32212-07	Introduction to Tube Work



CRAFT	LEVEL	MODULE	MODULE TITLE
Industrial Maintenance Mechanic	3	32301-08	Advanced Trade Math
		32302-08	Precision Measuring Tools
		32303-08	Installing Bearings
		32304-08	Installing Couplings
		32306-08	Conventional Alignment
		32307-08	Installing Belt and Chain Drives
		32308-08	Installing Mechanical Seals
Industrial Maintenance Mechanic	4	32406-09	Introduction to Supervisory Skills
		32407-09	Troubleshooting and Repairing Pumps
		32408-09	Troubleshooting and Repairing Gearboxes



CRAFT	LEVEL	MODULE	MODULE TITLE
Industrial Maintenance Electrical & Instrumentation Technician	1	40101-07	Orientation to the Trade
		40102-07	Tools of the Trade
		40103-07	Fasteners and Anchors
		40104-07	Oxyfuel Cutting
		40105-07	Gaskets and Packing
		40106-07	Craft-Related Mathematics
		40107-07	Construction Drawings
		40108-07	Pumps and Drivers
		40109-07	Valves
		40110-07	Introduction to Test Instruments
		40111-07	Material Handling and Hand Rigging
		40112-07	Mobile and Support Equipment
		40113-07	Lubrication



CRAFT	LEVEL	MODULE	MODULE TITLE
Industrial Maintenance Electrical & Instrumentation Technician	2	40201-08	Industrial Safety for E & I Technicians
		40202-08	Introduction to the National Electrical Code®
		40203-08	Electrical Theory
		40204-08	Alternating Current
		40205-08	E & I Test Equipment
		40206-08	Flow, Pressure, Level, and Temperature
		40207-08	Process Mathematics
		40208-08	Hand Bending
		40209-08	Tubing
		40210-08	Clean, Purge, and Test Tubing and Piping Systems
		40211-08	Instrument Drawings and Documents, Part One
		40212-08	Conductors and Cables
		40213-08	Conductor Terminations and Splices



CRAFT	LEVEL	MODULE	MODULE TITLE
Industrial Maintenance Electrical & Instrumentation Technician	3	40302-09	Electronic Components
		40303-09	E & I Drawings
		40304-09	Motor Controls
		40305-09	Distribution Equipment
		40306-09	Transformer Applications
		40307-09	Conductor Selection and Calculations
		40308-09	Temporary Grounding
		40309-09	Layout and Installation of Tubing and Piping Systems
		40310-11	Machine Bending of Conduit
		40311-12	Hydraulic Controls
Industrial Maintenance Electrical & Instrumentation Technician	4	40311-12	Pneumatic Controls
		40401-09	Standby and Emergency Systems
		40405-09	Performing Loop Checks
		40406-09	Troubleshooting and Commissioning a Loop
		40408-09	Data Networks
		40409-09	Programmable Logic Controllers



CRAFT	LEVEL	MODULE	MODULE TITLE
Power Line Worker	1	49103-11	Introduction to Electrical Circuits
		49104-11	Introduction to Electrical Theory
		49113-11	Introduction to Electrical Test Equipment

CRAFT	LEVEL	MODULE	MODULE TITLE
Power Generation Maintenance Electrician	3	50301-11	Power Plant Electrical Systems
Power Generation Maintenance Electrician	4	50401-10	Generator Maintenance
		50402-11	Switchgear and Breaker Maintenance

CRAFT	LEVEL	MODULE	MODULE TITLE
Power Generation I&C Maintenance Technician	4	51401-10	Switchgear and Breaker Maintenance



CRAFT	LEVEL	MODULE	MODULE TITLE
Power Line Worker: Distribution	2	80201-11	Alternating Current and Three-Phase Systems
		80202-11	Aerial Distribution Equipment
		80203-11	Cable and Conductor Installation and Removal
		80204-11	Underground Residential Distribution (URD) Systems
Power Line Worker: Distribution	3	80303-12	System Protection and Monitoring
		80304-12	Troubleshooting

CRAFT	LEVEL	MODULE	MODULE TITLE
Power Line Worker: Substation	2	82202-12	Conductors and Cables
		82203-12	Grounding Systems
Power Line Worker: Substation	3	82304-12	Connectors, Conductor Terminations, and Splicing
		82305-12	Equipment Testing and Maintenance
		82306-12	System Protection and Control

CRAFT	MODULE	MODULE TITLE
Sustainable Construction	70101	Your Role In the Green Environment
Safety Technology	75219	Hazard Recognition, Environmental Awareness, and Occupational Health

NCCER Credential Equivalency Alignment

Army: 12P40

Chief Prime Power Technician





CRAFT	LEVEL	MODULE	MODULE TITLE
Project Management	1	44101	Introduction to Project Management
		44102	Safety
		44103	Interpersonal Skills
		44104	Issues and Resolutions
		44105	Construction Documents
		44106	Construction Planning
		44107	Estimating and Cost Control
		44108	Scheduling
		44110	Quality Control and Assurance
		44111	Continuous Improvement

CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving
		MT203	Safety
		MT204	Quality Control
		MT205	Contract and Construction Documents
		MT206	Document Control and Estimating
		MT207	Planning and Scheduling
		MT208	Resource Control and Cost Awareness

NCCER Credential Equivalency Alignment

Army: 12P E5

Prime Power Production Specialist:
Power Station Instrument Maintenance



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CRAFT	LEVEL	MODULE	MODULE TITLE
Instrumentation	2	12212-15	Panel-Mounted Instruments

CRAFT	LEVEL	MODULE	MODULE TITLE
Electrical	1	26108-20	Wireways, Raceways, and Fittings
		26111-20	Residential Wiring
Electrical	4	26404-20	Basic Electronic Theory

NCCER Credential Equivalency Alignment

Army: 12P S2

Prime Power Production Specialist:
Power Station Mechanical Equipment Maintenance



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CRAFT	LEVEL	MODULE	MODULE TITLE
Pipefitting	1	08102	Pipefitting Hand Tools
		08103	Pipefitting Power Tools
Pipefitting	2	08201	Piping Systems
		08202	Drawings and Detail Sheets
		08203	Identifying and Installing Valves
		08204	Pipefitting Trade Math
		08205	Threaded Pipe Fabrication
		08206	Socket-Weld Pipe Fabrication
		08207	Butt-Weld Pipe Fabrication
Pipefitting	3	08303	Pipefitting Standards and Specifications
		08306	Introduction to Above-Ground Pipe Installation
Pipefitting	4	08406	Special Piping
		08408	Maintaining Valves



CRAFT	LEVEL	MODULE	MODULE TITLE
Welding	1	29101	Welding Safety
		29102	Oxyfuel Cutting
		29103	Plasma Arc Cutting
		29106	Weld Quality
		29108	SMAW Electrodes
		29109	SMAW - Beads and Fillet Welds
		29110	Joint Fit-Up and Alignment
		29111	SMAW - Groove Welds with Backing
		29112	SMAW - Open Root Groove Welds - Plate
Welding	2	29201	Welding Symbols
		29202	Reading Welding Detail Drawings
		29203	Physical Characteristics and Mechanical Properties of Metals
		29204	Preheating and Postheating of Metals
		29205	GMAW and FCAW - Equipment and Filler Metals
		29209	GMAW - Plate



CRAFT	LEVEL	MODULE	MODULE TITLE
Welding	3	29301	SMAW - Open-Root Pipe Welds
		29302	GMAW - Pipe
		29304	GTAW - Carbon Steel Pipe

CRAFT	LEVEL	MODULE	MODULE TITLE
Industrial Maintenance Mechanic	3	32305-08	Setting Baseplates and Prealignment

NCCER Credential Equivalency Alignment

Army: 12P S3

Prime Power Production Specialist:
Power Station Electrical Equipment Maintenance



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CRAFT	LEVEL	MODULE	MODULE TITLE
Electrical	1	26105-20	Introduction to the National Electrical Code®
		26107-20	Hand Bending
		26108-20	Wireways, Raceways, and Fittings
		26111-20	Residential Wiring
Electrical	2	26204-20	Conduit Bending
		26207-20	Cable Tray
Electrical	3	26311-20	Motor Controls



CRAFT	LEVEL	MODULE	MODULE TITLE
Industrial Maintenance Mechanic	3	32305-08	Setting Baseplates and Prealignment

CRAFT	LEVEL	MODULE	MODULE TITLE
Power Line Worker: Substation	2	82201-12	Introduction to Substations
Power Line Worker: Substation	3	82302-12	Medium- and High-Voltage Equipment Installation

NCCER Credential Equivalency Alignment

Army: 12P U4

Prime Power Production Specialist:
Power Line Distribution





CRAFT	LEVEL	MODULE	MODULE TITLE
Electrical	2	26206-20	Conductor Installations

CRAFT	LEVEL	MODULE	MODULE TITLE
Power Line Worker	1	49102-11	Power Line Worker Safety
		49105-11	Climbing Wooden Poles
		49107-11	Tools of the Trade
		49108-11	Aerial Framing and Associated Hardware
		49109-11	Utility Service Equipment
		49110-11	Rigging
		49111-11	Setting and Pulling Poles

CRAFT	LEVEL	MODULE	MODULE TITLE
Power Line Worker: Distribution	2	80205-11	Overhead and URD Service Installations
		80206-11	Distribution Line Maintenance
Power Line Worker: Distribution	3	80301-12	Live Line Work
		80302-12	Three-Phase URD Systems

NCCER Credential Equivalency Alignment

Army: 12T10

Technical Engineer



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CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
		00105	Introduction to Construction Drawings
		00107	Basic Communication Skills
		00108	Basic Employability Skills
		00109	Introduction to Material Handling

CRAFT	LEVEL	MODULE	MODULE TITLE
Heavy Equipment Operations	1	22106	Grades, Part One
Heavy Equipment Operations	2	22209	Interpreting Civil Drawings
		22308	Soils

CRAFT	LEVEL	MODULE	MODULE TITLE
Heavy Highway Construction	1	36101	Orientation to the Trade



CRAFT	LEVEL	MODULE	MODULE TITLE
Site Layout	1	78101-04	Introduction to Site Layout
		78103-04	Survey Equipment Use and Care One
		78104-04	Blueprint Reading for Surveyors
Site Layout	2	78202-04	Survey Equipment Use and Care Two, EDMs and Total Stations
		78203-04	Control Setup
		78205-04	Data Collection and Basic Computer Skills
		78206-04	Concrete Properties and Quality Control
		78207-04	Means and Methods

CRAFT	MODULE	MODULE TITLE
Sustainable Construction	70101	Your Role In the Green Environment
Safety Technology	75219	Hazard Recognition, Environmental Awareness, and Occupational Health

NCCER Credential Equivalency Alignment

Army: 12T20

Technical Engineer





CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
		00105	Introduction to Construction Drawings
		00107	Basic Communication Skills
		00108	Basic Employability Skills
		00109	Introduction to Material Handling

CRAFT	LEVEL	MODULE	MODULE TITLE
Heavy Equipment Operations	1	22106	Grades, Part One
Heavy Equipment Operations	2	22209	Interpreting Civil Drawings
		22308	Soils

CRAFT	LEVEL	MODULE	MODULE TITLE
Heavy Highway Construction	1	36101	Orientation to the Trade



CRAFT	LEVEL	MODULE	MODULE TITLE
Site Layout	1	78101-04	Introduction to Site Layout
		78103-04	Survey Equipment Use and Care One
		78104-04	Blueprint Reading for Surveyors
Site Layout	2	78202-04	Survey Equipment Use and Care Two, EDMs and Total Stations
		78203-04	Control Setup
		78205-04	Data Collection and Basic Computer Skills
		78206-04	Concrete Properties and Quality Control
		78207-04	Means and Methods

CRAFT	MODULE	MODULE TITLE
Sustainable Construction	70101	Your Role In the Green Environment
Safety Technology	75219	Hazard Recognition, Environmental Awareness, and Occupational Health

NCCER Credential Equivalency Alignment

Army: 12T30

Technical Engineer





CRAFT	LEVEL	MODULE	MODULE TITLE
Project Management	1	44101	Introduction to Project Management
		44103	Interpersonal Skills
		44104	Issues and Resolutions
		44106	Construction Planning
		44108	Scheduling

CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT202	Human Relations and Problem Solving
		MT207	Planning and Scheduling

CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership

NCCER Credential Equivalency Alignment

Army: 12T40

Technical Engineer



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CRAFT	LEVEL	MODULE	MODULE TITLE
Project Management	1	44101	Introduction to Project Management
		44102	Safety
		44103	Interpersonal Skills
		44104	Issues and Resolutions
		44105	Construction Documents
		44106	Construction Planning
		44107	Estimating and Cost Control
		44108	Scheduling
		44110	Quality Control and Assurance
		44111	Continuous Improvement



CRAFT	LEVEL	MODULE	MODULE TITLE
Project Supervision	1	MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving
		MT203	Safety
		MT204	Quality Control
		MT205	Contract and Construction Documents
		MT206	Document Control and Estimating
		MT207	Planning and Scheduling
		MT208	Resource Control and Cost Awareness

CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership

NCCER Credential Equivalency Alignment

Army: E-1 or Higher

Soldier





CRAFT	LEVEL	MODULE	MODULE TITLE
Core	1	00102	Introduction to Construction Math
		00107	Basic Communication Skills
		00108	Basic Employability Skills

CRAFT	MODULE	MODULE TITLE
Sustainable Construction	70101	Your Role In the Green Environment
Safety Technology	75219	Hazard Recognition, Environmental Awareness, and Occupational Health

NCCER Credential Equivalency Alignment

Army: E-5 or Higher

Noncommissioned Officer



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CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership
Mentoring for Craft Professionals	46102-16	Mentoring for Craft Professionals

NCCER Credential Equivalency Alignment

Army: O-1 or Higher

Officer





CRAFT	MODULE	MODULE TITLE
Fundamentals of Crew Leadership	46101	Fundamentals of Crew Leadership
Mentoring for Craft Professionals	46102-16	Mentoring for Craft Professionals



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