





GETTING STARTED AND DEFINITIONS

INTRODUCTION

Did you know that nearly 200,000 soldiers 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 soldiers 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 veterans.byf.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 Coast Guard 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 in NCCER's Registry System. 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 veterans.byf.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
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12Z:	Combat Engineering Senior Sergeant	44
91L10:	Construction Equipment Repairer Basic	46

Combat Engineer

12B10: Combat Engineer	49
12B20: Combat Engineer	51
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12B40: Combat Engineer	
Prime Power Production	
12P20: Prime Power Production Specialist Basic	57
12P E5: Prime Power Production Specialist: Power Station Instrument Maintenance	73
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12P S3: Prime Power Production Specialist: Power Station Electrical Equipment Maintenance	79
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Technical Engineer	
12T10: Technical Engineer	84
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Other	
E-1 or Higher: Soldier	9!
E-5 or Higher: Noncommissioned Officer	9
0-1 or Higher: Officer	9



Army: 120A

Construction Engineer Technician





















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





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

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Army: 125D

Geospatial Engineer Technician





















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

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



Army: 12A10

Engineer Officer Basic





















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





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





CRAFT	LEVEL	MODULE	MODULE TITLE
		MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving
	1	MT203	Safety
Drainet Cunomician		MT204	Quality Control
Project Supervision		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



Army: 12A20

Engineer Officer Career





















CRAFT	LEVEL	MODULE	MODULE TITLE
Project Management	1	44105	Construction Documents



Army: 12A E-9

Engineer Senior Sergeant



















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

CRAFT	LEVEL	MODULE	MODULE TITLE
		44101	Introduction to Project Management
		44102	Safety
		44103	Interpersonal Skills
	Project Management 1	44104	Issues and Resolutions
		44105	Construction Documents
Project Management		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
		MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving
	4	MT203	Safety
Drain at Cuma minia m		4	MT204
Project Supervision		MT205	Contract and Construction Documents
		MT206	Document Control and Estimating
		MT207	Planning and Scheduling
		MT208	Resource Control and Cost Awareness



Army: 12H30

Construction Engineering Supervisor Basic

















US ARMY CONSTRUCTION ENGINEERING SUPERVISOR BASIC





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

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

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

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Army: 12H40

Construction Engineering Supervisor Advanced

















US ARMY CONSTRUCTION ENGINEERING SUPERVISOR ADVANCED





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

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

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Army: 12K10

Plumber Basic



















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



CRAFT	LEVEL	MODULE	MODULE TITLE
		02101	Introduction to the Plumbing Profession
		02103	Tools of the Plumbing Trade
		02104	Introduction to Plumbing Math
		02105	Introduction to Plumbing Drawings
Dlumbing	1	02106	Plastic Pipe and Fittings
Plumbing		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
		02201-13	Plumbing Math Two
		02202-13	Reading Commercial Drawings
		02204-13	Installing and Testing DWV Piping
Dlumbing	1 2	02206-13	Installing and Testing Water Supply Piping
Plumbing	L	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
	3	02301-14	Applied Math
Plumbing		02305-14	Types of Venting
	3	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



Army: 12N10

Horizontal Construction Engineer Basic



















CRAFT	LEVEL	MODULE	MODULE TITLE
		00101	Basic Safety
		00102	Introduction to Construction Math
Core		00103	Introduction to Hand Tools
	Core 1	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
		22101	Orientation to the Trade
		22102	Heavy Equipment Safety
		22103	Identification of Heavy Equipment
Heavy Equipment Operations	1	22104	Basic Operational Techniques
	•	22105	Utility Tractors
		22106	Grades, Part One
		22201	Introduction to Earthmoving
	2	22202	On-Road Dump Trucks
		22204	Scrapers
		22205	Loaders
Heavy Equipment Operations		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
Haarra Himborra Caraturation	1	36101	Orientation to the Trade
Heavy Highway Construction		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



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



Army: 12R10

Interior Electrician Basic



















CRAFT	LEVEL	MODULE	MODULE TITLE
		00101	Basic Safety
		00102	Introduction to Construction Math
Core	1	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
		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®
Electrical	1	26106-20	Device Boxes
Electrical		26107-20	Hand Bending
		26108-20	Wireways, Raceways & Fittings
		26110-20	Basic Electrical Construction Drawings
		26111-20	Residential Wiring
		26112-20	Electrical Test Equipment
		26203-20	Electric Lighting
Floatrical	2	26204-20	Conduit Bending
Electrical		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

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Army: 12V10

Concrete and Asphalt Equipment Operator Basic



















CRAFT	LEVEL	MODULE	MODULE TITLE	
		00101	Basic Safety	
		00102	Introduction to Construction Math	
	1	00103	Introduction to Hand Tools	
Coro		4	4	00104
Core		00105	Introduction to Construction Drawings	
		00107	Basic Communication Skills	
			00108	Basic Employability Skills
		00109	Introduction to Material Handling	

CRAFT	LEVEL	MODULE	MODULE TITLE
	1	23101	Introduction to Concrete Construction
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

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Army: 12W10

Carpenter & Mason Basic



















CRAFT	LEVEL	MODULE	MODULE TITLE
		00101	Basic Safety
		00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
Cara	1	00104	Introduction to Power Tools
Core		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
		23101	Introduction to Concrete Construction
		23102	Concrete Safety
		23104	Concrete Tools and Equipment
Concrete Construction	1	23105	Preparing for Placement
	•	23107	Finishing Concrete
		23108	Curing and Protecting Concrete
		23204	Site Concrete
		23202	Estimating Concrete Quantities
Concrete Construction	1	23210	Concrete Repair
Concrete Construction	Z	23211	Troubleshooting and Quality Control
		23212	Properties of Concrete



CRAFT	LEVEL	MODULE	MODULE TITLE
		27101	Orientation to the Trade
		27102	Building Materials, Fasteners and Adhesives
		27103	Hand and Power Tools
Carpentry	1	27105	Floor Systems
	•	27110	Basic Stair Layout
		27111	Wall Systems
		27112	Ceiling Joist and Roof Framing
		27202	Roofing Applications
		27204	Exterior Finishing
Carpentry	1 7 L	27205	Cold-Formed Steel Framing
		27208	Doors and Door Hardware
		27210	Window, Door, Floor, and Ceiling Trim



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



CRAFT	LEVEL	MODULE	MODULE TITLE
		28101	Introduction to Masonry
		28102	Masonry Tools and Equipment
Masonry	1	28103	Measurements, Drawings, and Specifications
	•	28104	Mortar
		28106	Masonry Safety
Masonry	7	28203	Reinforced Masonry
musoniy	L	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



Army: 12X

Engineering Supervisor



















CRAFT	LEVEL	MODULE	MODULE TITLE
		44101	Introduction to Project Management
		44102	Safety
		44103	Interpersonal Skills
		44104	Issues and Resolutions
Duais at Managament	4	44105	Construction Documents
Project Management		44106	Construction Planning
		44107	Estimating and Cost Control
		44108	Scheduling
		44110	Quality Control and Assurance
		44111	Continuous Improvement





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



Army: 12Z

Combat Engineering Senior Sergeant





















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

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



Army: 91L10

Construction Equipment Repairer Basic

















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





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

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Army: 12B10



















CRAFT	LEVEL	MODULE	MODULE TITLE		
		00101	Basic Safety		
		00102	Introduction to Construction Math		
		00103	Introduction to Hand Tools		
	1	00104	Introduction to Power Tools		
Core	I	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



Army: 12B20



















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



Army: 12B30





















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

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



Army: 12B40





















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

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



Army: 12P20

Power Production Specialist Basic





















CRAFT	LEVEL	MODULE	MODULE TITLE		
		00101	Basic Safety		
	1	00102	Introduction to Construction Math		
		00103	Introduction to Hand Tools		
Coro		4	4	00104	Introduction to Power Tools
Core		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
		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
Instrumentation	1	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
		12304-14	Inspect, Handle, and Store Instrumentation Materials
		12210-15	Temperature, Pressure, Level, and Flow
Instrumentation	1	12202-15	Instrument Drawings and Documents, Part Two
Instrumentation	_	12301-15	Instrument Fitter's Math
		12303-15	Clean, Purge, and Test Tubing and Piping Systems





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



CRAFT	LEVEL	MODULE	MODULE TITLE
		26101-20	Occupational Overview: The Electrical Industry
		26102-20	Safety for Electricians
		26103-20	Introduction to Electrical Circuits
		26104-20	Electrical Theory
Electrical	1	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
		26201-20	Alternating Current
		26202-20	Motors: Theory and Application
		26203-20	Electric Lighting
	Electrical	26204-20	Conduit Bending
		26205-20	Pull and Junction Boxes
Electrical		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
		26301-20	Load Calculations - Branch and Feeder Circuits
	2	26302-20	Conductor Selection and Calculations
Electrical	3	26305-20	Overcurrent Protection
		26307-20	Transformers
		26309-20	Motor Calculations
		26401-20	Load Calculations - Feeders and Services
		26403-20	
		20403-20	Standby and Emergency Systems
Floatrical	1	26406-20	Standby and Emergency Systems Specialty Transformers
Electrical	4		, , , ,
Electrical	4	26406-20	Specialty Transformers

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
		32102-07	Tools of the Trade
		32103-07	Fasteners and Anchors
		32104-07	Oxyfuel Cutting
		32105-07	Gaskets and Packing
Industrial	1	32106-07	Craft-Related Mathematics
Maintenance Mechanic		32107-07	Construction Drawings
		32108-07	Pumps and Drivers
		32109-07	Valves
		32111-07	Material Handling and Hand Rigging
		32113-07	Lubrication
		32202-07	Introduction to Piping Components
		32203-07	Copper and Plastic Piping Practices
		32204-07	Introduction to Ferrous Metal Piping Practices
Industrial Maintenance	1	32205-07	Identify, Install, and Maintain Valves
Mechanic	Z	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
		32301-08	Advanced Trade Math
		32302-08	Precision Measuring Tools
		32303-08	Installing Bearings
Industrial Maintenance Mechanic	3	32304-08	Installing Couplings
Maintenance Mechanic		32306-08	Conventional Alignment
		32307-08	Installing Belt and Chain Drives
		32308-08	Installing Mechanical Seals
		32406-09	Introduction to Supervisory Skills
Industrial Maintenance Mechanic	4	32407-09	Troubleshooting and Repairing Pumps
		32408-09	Troubleshooting and Repairing Gearboxes



CRAFT	LEVEL	MODULE	MODULE TITLE
	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
Industrial Maintenance		40106-07	Craft-Related Mathematics
Electrical & Instrumentation		40107-07	Construction Drawings
Technician		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
	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
Industrial Maintenance		40206-08	Flow, Pressure, Level, and Temperature
Electrical & Instrumentation		40207-08	Process Mathematics
Technician		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
		40302-09	Electronic Components
		40303-09	E & I Drawings
		40304-09	Motor Controls
		40305-09	Distribution Equipment
Industrial Maintenance		40306-09	Transformer Applications
Electrical & Instrumentation	3	40307-09	Conductor Selection and Calculations
Technician		40308-09	Temporary Grounding
		40309-09	Layout and Installation of Tubing and Piping Systems
		40310-11	Machine Bending of Conduit
		40311-12	Hydraulic Controls
		40311-12	Pneumatic Controls
	4	40401-09	Standby and Emergency Systems
Industrial Maintenance		40405-09	Performing Loop Checks
Electrical & Instrumentation		40406-09	Troubleshooting and Commissioning a Loop
Technician		40408-09	Data Networks
		40409-09	Programmable Logic Controllers





CRAFT	LEVEL	MODULE	MODULE TITLE
		49103-11	Introduction to Electrical Circuits
Power Line Worker	1	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	4	50401-10	Generator Maintenance
Electrician		50402-11	Switchgear and Breaker Maintenance

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

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CRAFT	LEVEL	MODULE	MODULE TITLE
		80201-11	Alternating Current and Three-Phase Systems
Power Line Worker:	2	80202-11	Aerial Distribution Equipment
Distribution	Z	80203-11	Cable and Conductor Installation and Removal
		80204-11	Underground Residential Distribution (URD) Systems
Power Line Worker:	1	80303-12	System Protection and Monitoring
Distribution	5	80304-12	Troubleshooting

CRAFT	LEVEL	MODULE	MODULE TITLE
Power Line Worker:	2	82202-12	Conductors and Cables
Substation	Z	82203-12	Grounding Systems
5 1: W 1		82304-12	Connectors, Conductor Terminations, and Splicing
Power Line Worker: Substation	3	82305-12	Equipment Testing and Maintenance
วนมรเตนเบน		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

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Army: 12P40

Chief Prime Power Technician

















CRAFT	LEVEL	MODULE	MODULE TITLE
		44101	Introduction to Project Management
		44102	Safety
		44103	Interpersonal Skills
		44104	Issues and Resolutions
Duais et Managament	4	44105	Construction Documents
Project Management		44106	Construction Planning
		44107	Estimating and Cost Control
		44108	Scheduling
		44110	Quality Control and Assurance
		44111	Continuous Improvement

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



Army: 12P E5

Prime Power Production Specialist:

Power Station Instrument Maintenance



















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

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

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Army: 12P S2

Prime Power Production Specialist: Power Station Mechanical Equipment Maintenance



















CRAFT	LEVEL	MODULE	MODULE TITLE
Dinofitting	1	08102	Pipefitting Hand Tools
Pipefitting		08103	Pipefitting Power Tools
		08201	Piping Systems
		08202	Drawings and Detail Sheets
		08203	Identifying and Installing Valves
Pipefitting	7	08204	Pipefitting Trade Math
		08205	Threaded Pipe Fabrication
		08206	Socket-Weld Pipe Fabrication
		08207	Butt-Weld Pipe Fabrication
Din efilting	2	08303	Pipefitting Standards and Specifications
Pipefitting	3	08306	Introduction to Above-Ground Pipe Installation
Din of ittin o	1	08406	Special Piping
Pipefitting	4	08408	Maintaining Valves

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CRAFT	LEVEL	MODULE	MODULE TITLE
		29101	Welding Safety
		29102	Oxyfuel Cutting
		29103	Plasma Arc Cutting
	_	29106	Weld Quality
Welding	1 1	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
	2	29201	Welding Symbols
		29202	Reading Welding Detail Drawings
Welding		29203	Physical Characteristics and Mechanical Properties of Metals
welulily		29204	Preheating and Postheating of Metals
		29205	GMAW and FCAW - Equipment and Filler Metals
		29209	GMAW - Plate

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

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



Army: 12P S3

Prime Power Production Specialist: Power Station Electrical Equipment Maintenance





















CRAFT	LEVEL	MODULE	MODULE TITLE
		26105-20	Introduction to the National Electrical Code®
Electrical	1	26107-20	Hand Bending
		26108-20	Wireways, Raceways, and Fittings
		26111-20	Residential Wiring
Electrical	1 2	26204-20	Conduit Bending
Electrical	L	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

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ARMY 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		
	1	49102-11	Power Line Worker Safety		
		49105-11	Climbing Wooden Poles		
		49107-11	Tools of the Trade		
Power Line Worker		1	1	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
Dower Line Werker, Distribution	2	80205-11	Overhead and URD Service Installations
Power Line Worker: Distribution		80206-11	Distribution Line Maintenance
Dawar Lina Warkar, Distribution	3	80301-12	Live Line Work
Power Line Worker: Distribution		80302-12	Three-Phase URD Systems

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Army: 12T10

Technical Engineer



















CRAFT	LEVEL	MODULE	MODULE TITLE
		00102	Introduction to Construction Math
Core		00103	Introduction to Hand Tools
	1	00105	Introduction to Construction Drawings
	ı	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
Haary Favinment Operations	7	22209	Interpreting Civil Drawings
Heavy Equipment Operations	Z	22308	Soils

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

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CRAFT	LEVEL	MODULE	MODULE TITLE
	_	78101-04	Introduction to Site Layout
Site Layout	1	78103-04	Survey Equipment Use and Care One
		78104-04	Blueprint Reading for Surveyors
		78202-04	Survey Equipment Use and Care Two, EDMIs and Total Stations
		78203-04	Control Setup
Site Layout 2	2	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



Army: 12T20

Technical Engineer



















CRAFT	LEVEL	MODULE	MODULE TITLE
	Coro	00102	Introduction to Construction Math
		00103	Introduction to Hand Tools
Cara		00105	Introduction to Construction Drawings
Core		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
Haary Favinment Operations	1	22209	Interpreting Civil Drawings
Heavy Equipment Operations	Z	22308	Soils

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

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CRAFT	LEVEL	MODULE	MODULE TITLE
		78101-04	Introduction to Site Layout
Site Layout	Site Layout 1	78103-04	Survey Equipment Use and Care One
		78104-04	Blueprint Reading for Surveyors
		78202-04	Survey Equipment Use and Care Two, EDMIs and Total Stations
		78203-04	Control Setup
Site Layout	7	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

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Army: 12T30

Technical Engineer





















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

CRAFT	LEVEL	MODULE	MODULE TITLE
Drainet Cunomician	4	MT202	Human Relations and Problem Solving
Project Supervision		MT207	Planning and Scheduling

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

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Army: 12T40

Technical Engineer



















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



CRAFT	LEVEL	MODULE	MODULE TITLE
		MT201	Orientation to the Job
		MT202	Human Relations and Problem Solving
		MT203	Safety
Drainat Cumaminian	1	MT204	Quality Control
Project Supervision		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

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Army: E-1 or Higher

Soldier



















CRAFT	LEVEL	MODULE	MODULE TITLE
	1	00102	Introduction to Construction Math
Core		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



Army: E-5 or Higher

Noncommissioned Officer



















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



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

