



BUILD YOUR FUTURE: 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 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 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 **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 |
| 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 |
| 12B40: Combat Engineer | 55 |

Prime Power Production

| | |
|--|----|
| 12P20: Prime Power Production Specialist Basic | 57 |
| 12P40: Chief Prime Power Technician | 71 |
| 12P E5: Prime Power Production Specialist: Power Station Instrument Maintenance | 73 |
| 12P S2: Prime Power Production Specialist: Power Station Mechanical Equipment Maintenance .. | 75 |
| 12P S3: Prime Power Production Specialist: Power Station Electrical Equipment Maintenance | 79 |
| 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 |

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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 |

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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 |

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Army: 12A10

Engineer Officer 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 |
|--------------------|-------|--------|------------------------------------|
| 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 |

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Army: 12A20

Engineer Officer Career



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| CRAFT | LEVEL | MODULE | MODULE TITLE |
|--------------------|-------|--------|------------------------|
| Project Management | 1 | 44105 | Construction Documents |

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Army: 12A E-9

Engineer Senior Sergeant



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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 |
|--------------------|-------|--------|------------------------------------|
| 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 |

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Army: 12H30

Construction Engineering Supervisor Basic



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| 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 |

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Army: 12H40

Construction Engineering Supervisor Advanced



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| 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 |

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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 |

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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 |

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Army: 12N40

Horizontal Construction Engineer Advanced



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| 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 |

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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 |

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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 |

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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 |

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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 |

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Army: 12Z

Combat Engineering Senior Sergeant



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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 |

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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 |

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Army: 12B10

Combat Engineer



**HARD HAT
HEROES**



| 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 |

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Army: 12B20

Combat Engineer



**HARD HAT
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| 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 |

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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 |

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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 |

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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 |
| | | 12304-14 | Inspect, Handle, and Store Instrumentation Materials |
| Instrumentation | 2 | 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 |
| | | 40311-12 | Pneumatic Controls |
| Industrial Maintenance Electrical & Instrumentation Technician | 4 | 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 |

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Army: 12P40

Chief Prime Power 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 |
| | | MT204 | Quality Control |
| | | MT205 | Contract and Construction Documents |
| | | MT206 | Document Control and Estimating |
| | | MT207 | Planning and Scheduling |
| | | MT208 | Resource Control and Cost Awareness |

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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 |

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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 |

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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 |

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Army: 12P U4

Prime Power Production Specialist:
Power Line Distribution



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| 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 |

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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 |

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Army: 12T20

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 |

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| 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 |

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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 |

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Army: E-1 or Higher

Soldier



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| 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 |

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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 |

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Army: O-1 or Higher

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 |



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