

ADVANCED ELECTRICAL SMART METER AND INSTRUMENTATION TECHNICIAN



OVERVIEW

The Job Corps **Electrical Smart Meter and Instrumentation Technician** Advanced Training program provides training in the following subject areas:

- Personal security and safety
- Lockout and tag-out
- Defensive and safe driver training
- Work orders training
- Collections
- Basic electricity math and vocabulary
- Schematics, diagrams, flowcharts, and prints
- Introduction to control circuits
- Confined space
- Communication protocols
- Advanced control circuits
- Arc flash
- Peripheral devices
- Electric testing equipment
- Fuses and breakers
- Information management
- Advanced programmable logic control
- Human-machine interface
- Motor control centers
- Motion control
- Introduction to solar
- Self-contained electric meters (optional)
- Introduction to the Smart Grid (optional)
- Electric meter components (optional)
- Storm situations (optional)
- Electrical meter sets (optional)
- Introduction to gas service (optional)

CREDENTIALS

As a Job Corps student, you can earn credentials in your training area that demonstrate you have **gained the knowledge and skills** to help you **succeed in your career**.

Credentials may lead to greater employment opportunities, higher wages, and promotions.

Students who complete a center-based Construction training area can earn **nationally recognized credentials** from organizations such as the National Center for Construction Education and Research (NCCER).

Students training in union-affiliated programs, such as the United Brotherhood of Carpenters (UBC), International Masonry Institute (IMI), International Union of Operating Engineers (IUOE), International Union of Painters and Allied Trades (IUPAT), and National Plastering Industry Joint Apprenticeship Trust Fund (NPIJATF), can earn a certificate of completion that offers apprenticeship opportunities and on-the-job experience.

PROGRAM ENTRY REQUIREMENTS

Before entering the Electrical Smart Meter and Instrumentation Technician Advanced Training program, students must:

- Complete either Job Corps' basic Electrical or Facilities Maintenance career technical training program.
- Have a high school diploma or the equivalent.
- Have a positive behavior record with no major incidents in the past 90 days.
- Have a positive attendance and progress record.
- Have health clearance from the Job Corps center where they received basic training.
- Meet academic (math and reading) requirements.
- Have a valid driver's license.
- Pass an entrance exam.
- Complete a successful phone, in-person, or video-conference interview.

BENEFITS OF

ADVANCED TRAINING

- **More career options** upon graduation
- Better chance of a **higher salary**
- The opportunity to earn **advanced industry credentials**
- The opportunity to **fine-tune industry-specific skills and receive additional hands-on training** at an accelerated pace



SALARY RANGE

\$35,000 to \$50,000/year
for various careers in smart meter and instrumentation technologies

For additional salary information and career path options in this field, visit www.mynextmove.org.

ADVANCED ELECTRICAL SMART METER AND INSTRUMENTATION TECHNICIAN TRAINING PROGRAM

PROGRAM EXPECTATIONS

Students entering the Electrical Smart Meter and Instrumentation Technician Advanced Training program will be expected to participate in the following professional practices:

- Arrive on time and be ready to begin work immediately.
- Dress for the training area with uniform and boots worn properly at all times.
- Work the entire time while on the job.
- Follow safety guidelines.
- Follow rules and instructions of the training area and Job Corps.
- Demonstrate respect for self, tools, and equipment.
- Take care of the work area—keeping work areas clean and safe, picking up tools, and maintaining the shop.
- Exercise good customer relations skills.



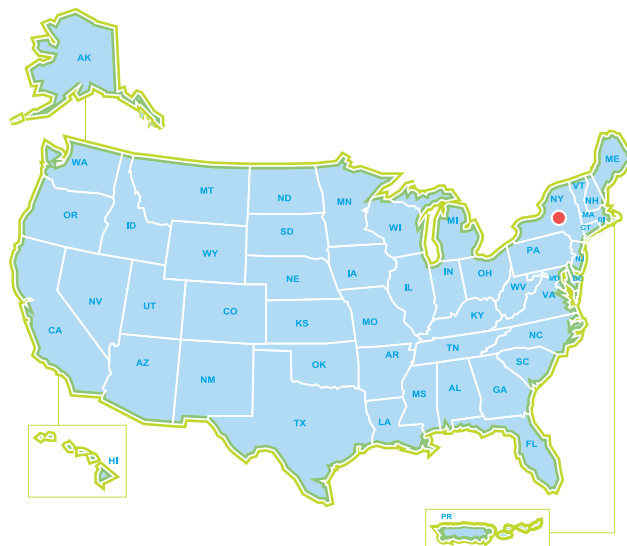
GREEN TRAINING

Job Corps is committed to preparing students for careers in fields that will lead to a cleaner, more energy-efficient future. The Electrical Smart Meter and Instrumentation Technician Advanced Training program trains students with the knowledge and skills needed to succeed in the green economy. Students who enter this program also have trained in a variety of green subject matter areas during their prerequisite Construction training program.

PROGRAM LOCATIONS

The Electrical Smart Meter and Instrumentation Technician Advanced Training program is offered at the following center:

- **Oneonta Job Corps Center**, Oneonta, N.Y.



Administered by the U.S. Department of Labor, Job Corps is the nation's largest career technical training and education program for low-income young people ages 16 through 24. Job Corps is a U.S. Department of Labor Equal Opportunity Employer Program. Auxiliary aids and services are available upon request to individuals with disabilities. TDD/TTY telephone number is (877) 889-5627.