



EVSE WORKFORCE SKILL TRAINING BROCHURE

Electric Vehicle Supply Equipment (EVSE) Technician Training Program

2GoEVc's training programs are designed to equip individuals with the skills and knowledge required to excel as EVSE technicians. Our comprehensive training covers installation, maintenance, and repair of EV charging stations, ensuring that participants are well-prepared to meet the demands of the evolving electric vehicle industry. Our commitment to workforce development and professional growth is reflected in our training initiatives, aimed at expanding the skilled workforce that ensures a reliable charging experience for EV drivers.

For more information on our services and training programs, please contact us to start a conversation about your needs and how we can help. support@2goevc.com, +1-646-578-0334

OBJECTIVE: The EVSE technician training program aims to equip participants with the knowledge and skills necessary to install, maintain, and troubleshoot Electric Vehicle Supply Equipment, ensuring a competent and qualified workforce for the growing electric vehicle industry.

Duration: 7 weeks

Our Certified EVSE Technician Training offers

- Virtual or in-person
- Maximum of 40 participants
- Construction Safety Certification (OSHA 10)

- Electric Hazard Training (NFPA 70E)
- Arc Flash Safety (NFPA 70E)
- Adult First Aid/AED/CPR

WEEK 1: Introduction to OSHA and OSHA ACT

- Introduction to OSHA and the OSH Act
- Hazard recognition and prevention
- Personal protective equipment (PPE)
- Fire safety and emergency response
- Electrical safety
- Fall protection and prevention
- Hazardous materials and chemicals
- Ergonomics and musculoskeletal disorders
- Confined spaces and permit-required confined spaces
- Lockout/tagout and energy control procedures
- Machine guarding and mechanical hazards
- Bloodborne pathogens and infectious diseases
- Emergency evacuation and fire escape procedures
- Workplace violence and harassment
- Recordkeeping and reporting requirements.

WEEK 2: INTRODUCTION TO ELECTRIC VEHICLES AND EVSE

- Overview of electric vehicle technology
- Types and categories of EVSE
- Safety protocols and standards for EV charging systems
- Introduction to tools and equipment used by EVSE technicians
- First Aid Basics, medical emergencies, injury emergencies, environmental emergencies.
- Preventing illness and injury, adult CPR and AED use, and opioid-associated life-threatening emergencies.
- How to use an automated external defibrillator (AED) in a safe, timely, and effective manner.

WEEK 3: ELECTRICAL FUNDAMENTALS

- Basic electrical principles and circuits
- Understanding voltage, current, resistance, and power
- Electrical safety procedures and regulations
- Hands-on exercises with electrical components and circuits

WEEK 4: EVSE INSTALLATION AND CONFIGURATION

- Site assessment and preparation for EVSE installation

- Understanding charging station requirements and specifications
- Hands-on installation of different types of EVSE units
- Configuration and programming of EVSE systems

WEEK 5: EVSE MAINTENANCE AND DIAGNOSTICS

- Routine maintenance procedures for EV charging stations
- Troubleshooting common issues and faults
- Use of diagnostic tools and equipment
- Preventive maintenance strategies for EVSE units

WEEK 6: NETWORKING AND COMMUNICATION PROTOCOLS

- Understanding communication protocols used in EV charging systems
- Networking EVSE units and connecting to management systems
- Remote monitoring and control of charging stations
- Cybersecurity considerations for EVSE networks
- Field Inspection of charging stations and Presentation

WEEK 7: REGULATIONS AND COMPLIANCE

- Overview of local and national regulations for EV charging infrastructure
- Permitting and compliance requirements for EVSE installation
- Environmental and sustainability considerations
- Final assessment and certification examination

DELIVERY METHOD:

- ❖ The program will be delivered through a combination of classroom lectures, hands-on practical sessions, simulations, and site visits to operational EVSE installations.
- ❖ Participants will have access to training materials, including manuals, videos, and interactive online resources.

ASSESSMENT AND CERTIFICATION:

- ❖ Regular assessments and quizzes will be conducted throughout the program to gauge participant understanding and progress.
- ❖ A final certification examination will be held, covering all aspects of the training program.

- ❖ Successful participants will receive a certificate of completion, acknowledging their competence as EVSE technicians.

TRAINERS:

- Experienced trainers with expertise in electrical engineering, EV technology, and EVSE installations will conduct the training program.
- Guest speakers from industry organizations and EV manufacturers will provide insights into the latest developments and best practices.

By completing this comprehensive training program, participants will be well-prepared to contribute to the installation, repair, maintenance, and support of Electric Vehicle Supply Equipment, meeting the growing demand for skilled EVSE technicians in the automotive and infrastructure sectors.

