



## REP<sup>TM</sup>

# Certified Renewable Energy Professional Training Program<sup>TM</sup> Overview

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## Program Summary

The Certified Renewable Energy Professional (REP) Training Program is designed for energy management, renewable energy, and sustainability professionals who want to deepen their understanding of renewable energy generation, production, and storage. The ideal candidate for this program is a professional with technical, management, and communication skills who can lead, plan, coordinate, and oversee the installation or upgrade of renewable energy systems.

Earning the REP designation from the Association of Energy Engineers (AEE) provides international credibility among energy management, sustainable, and clean energy communities.

## At a Glance

- This training program prepares you for the Certified Renewable Energy Professional (REP<sup>TM</sup>) exam
- This course is held over 3 days
- You earn 2.4 CEU | 24 PDH | 4.8 AEE Credits for completing this program

## Other Program Highlights

- You will participate in activities geared towards applying what you learned using practical examples that demonstrate your understanding of the topics and procedures covered.
- You will receive a high-level overview of the Body of Knowledge associated with AEE's certification exam.
- You will interact with professionals and subject matter experts who can guide you through discussions on how to apply what you learned.
- You will receive a course workbook and ready reference materials.

## Registration

For more information on available training courses, certification application process, exam registration, and associated fees, visit [www.aeecenter.org/training](http://www.aeecenter.org/training)

### What You Will Learn

After completing the Certified Renewable Professional (REP™) Training Program, candidates will have a thorough understanding of key principles:

- **Sustainable Energy Practices**  
Terminology, systems, and equipment for alternative energy sources and renewable energy technologies.
- **Organizational Strategies**  
Goal setting for sustainable policies and programs through the implementation of renewable energy projects (e.g., hybrid applications, buildings, infrastructure, and transportation systems).
- **Development and Financial Strategies**  
Be able to understand development issues associated with renewable energy applications and justify cost-effective improvements and projects.
- **Environmental Impacts**  
Learn the fundamentals of using renewable energy to meet environmental objectives.

### Who Should Attend

This program is designed for professionals in the energy sector or related fields, including:

- An energy professional with technical, management, communication skills and the capability to lead, plan, coordinate, and oversee the installation or upgrade of power generation systems to include renewable energy generation technologies.

- An energy manager responsible for a building or facility's energy use, which operates a renewable energy production infrastructure, energy storage systems, microgrids, or is looking to upgrade an existing system.
- A consultant who assesses infrastructure requirements, then specifies, and financially justifies renewable energy systems for clients.
- A utility company professional developing or managing renewable infrastructure.
- Engineers, architects, and building science professionals who understand the importance of incorporating renewable energy systems in their designs.

The ideal candidate for the Renewable Energy Professional (REP™) Training Program is anyone who meets either of the following related criteria:

- Hold a related bachelor's degree, or Professional Engineer (PE), or Registered Architect (RA) and 2+ years related work experience.
- Or, Hold a 2-year associate degree and 5+ years of related work experience.
- Or, Have 10+ years related work experience.
- Or, Be a current Certified Energy Manager (CEM®).

### Our Instructors

All members of our team of professional instructors are subject matter experts who will deliver content professionally. They provide real-world examples from their personal experiences and focus on specific areas essential to renewable energy. Their teaching and industry experience allows them to deliver information that is the most relevant and of practical value to attendees.

### Certification Eligibility

The prerequisites to qualify for the certification process consider the diverse education and experience applicants may have. Each candidate must meet the required criteria at <https://www.aeecenter.org/rep>

### Global Training Partners

For a complete list of AEE training partners visit: <https://www.aeecenter.org/ae-training/training-partners/>  
Approved AEE Training Partners Worldwide | AEE® (aeecenter.org)

### Course Outline

The REP Certification program provides technical skills and prepares individuals for the associated exam. It brings all participants to an elevated level of understanding across a wide variety of renewable energy technologies and related sustainability topics—advancing in this skillset requires fundamental knowledge across several core technologies, principles, and practices specific to renewable energy. These include:

- Renewable energy and environmental impacts
- Solar energy
- Wind energy
- Hydropower
- Geothermal energy
- Biomass energy
- Waste-to-energy systems
- Hydrogen applications
- Hybrid renewable energy systems
- Energy storage
- Alternative energy strategies for buildings
- Transportation systems
- Financing and incentives for alternative energy
- Renewable energy applications for microgrids