



Certified Renewable Energy Professional™ Training Program

This training program is designed to provide attendees a deep-dive into alternative energy sources, clean energy technologies, and sustainable energy practices. Over three days, our professional instructors will guide you through the renewable energy principles and practices of greatest relevance and practical value.

What Will You Learn?

- Set realistic goals for renewable energy projects for sustainable applications.
- Latest energy generation, production, and storage technologies available for you to implement across your applications - for the most significant benefit.
- What energy managers and energy professionals need to know about renewable sources, including wind, solar, thermal, photovoltaic, geothermal, electrical, bio-fuels, and hydroelectric.
- What energy professionals need to know about energy management process technologies, such as power generation, energy systems, energy storage (fuel cells), and using renewable and clean energy technologies.
- Finance and justifying renewable energy projects, and what incentives can help justify project implementation.

Who Should Attend

The program is of greatest value to those undertaking or assessing renewable energy projects. Obtaining AEE's REP™ certification provides international credibility among energy management, sustainable and clean energy communities. Attendees of this program have included existing energy professionals, energy engineers, energy managers, executives, financial executives, facilities managers, and energy consultants.

At-a-Glance

- » This training program prepares attendees to take the Certified Renewable Energy Professional™ (REP™) exam.
- » This program is held over 3 days, with a 4 hour voluntary exam.

Credits

- » 4.4 AEE renewal credits for course
- » 3 ECSA CPD credits for course
- » 1 ECSA CPD credit for exam.

Key Takeaways

- » Work through practical examples to demonstrate the topics and procedures covered.
- » Review the various areas of the Body of Knowledge associated with AEE's certification exam.
- » Discuss how to apply what you have learned to your business and applications.
- » Leave with a course workbook that will become an invaluable desk reference.

Certification, exams and quality control by:

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Course Outline

- Environmental Impacts – a Driver for Using Alternative Energy
- Alternative Energy and Carbon Reduction
- Solar Energy
- Wind Energy
- Hydropower
- Geothermal Energy
- Waste-to-Energy Systems
- Fuel Cells – An Example of Hydrogen Applications
- Hybrid Alternative Energy Systems
- Creative Energy Storage Applications
- Alternative Energy Strategies for Buildings
- Transportation Systems
- Governmental Alternative Energy Programs
- Financial Approaches and Incentives for Alternative Energy
- The Future of Alternative Energy
- Biomass

Our Instructor

Dr Sean Poole

MSc PhD Mechanical Eng, REP®, CEM®

Sean Poole achieved his Doctorate in small wind turbine blade design. He is a Certified Energy Manager (CEM), and a Certified Renewable Energy Professional (REP) and the approved AEE trainer for REP. Sean manages various energy related research projects and lectures renewable energy short courses at NMU. He has been involved with renewable energy research since 2013. Another interest of his is prototyping and concept design which has lead to the founding of his company ProVolution.



Certification Eligibility

The prerequisites to qualify for the certification process take into account the diverse education and experience applicants may have. Each candidate must meet the required criteria at

aeecenter.org/rep

CURRENT QUALIFICATION		EXPERIENCE	
4-year engineering/architectural degree OR Pr.Eng, Registered Architect	PLUS	+2 years	
4-year degree in technology, environmental science, physics or earth science		+2 years	
3-year technical qualification		+5 years	
4-year degree in business or business related		+5 years	
4-year unrelated degree		+5 years	
2-year associate degree		+5 years	
NONE: no current qualification		+10 years	
Current status of CEM		none	
<i>Years of work experience required - in addition to the current qualification - must be related to the certification discipline applied for.</i>			

Our partners:



Registration through our partners:

Mauritius

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