



FUEL YOUR PASSION FOR RENEWABLE ENERGY

New York's clean energy economy is growing with new jobs added every year, backed by one of the nation's most ambitious clean energy agendas. A coalition of university and industry experts, led by the University at Buffalo Center for Industrial Effectiveness (UB TCIE), has developed an online course to help you explore renewable energy careers.

Renewable Energy: Fundamentals and Job Opportunities

This comprehensive course prepares learners to recognize the complexities and nuances of different renewable energy solutions as well as relevant career opportunities. Learners are immersed in discussions about clean energy technologies, the impact of sustainability on society, energy consumption in the United States, and conservation.

TOPICS INCLUDE:

Clean Energy 101

This module provides a foundation for the course, covering energy consumption and conservation, and the importance of renewable energy.

Sustainability

Gain an understanding of the fundamental principles of sustainability and why sustainability matters.

Green Building

Develop an understanding of the value of green buildings, fundamental green building principles, and common building rating systems.

Solar Energy

Consider the benefits and limitations of solar energy, and take a deep dive into photovoltaic system components through technical lessons.

Wind Energy

Delve into the fundamentals of onshore and offshore wind power, including turbine design, site selection, and the wind energy supply chain.

Nanotechnology for Renewable Energy

Learn the fundamentals of nanotechnology and how it relates to solar energy systems.

Exploring Career Pathways

Throughout the course, learners are empowered to pinpoint their desired career within renewable energy, conduct a gap analysis, and create a personalized roadmap for the education and training needed to pursue their ideal role in the field.

INSTRUCTORS

Include faculty and subject matter experts from Alfred State College, SUNY Canton, SUNY Erie, Farmingdale State College, SUNY Polytechnic Institute, Direct Gain Consulting, The Dormitory Authority of the State of New York, ETM Solar Works, General Electric, New York State Cleantech Venture Exchange, and Wendel



U.S. Residents:
\$50 stipend for enrolling into the course!



REGISTER TODAY

tleyh@buffalo.edu

716-645-8844 | tcieinfo@buffalo.edu | www.buffalo.edu/tcie