USA: Capacity Building for Renewable Energy

EGNRET -50
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Human capacity building for renewable energy development occurs at federal and state levels of government and the private sector

- Federal programs are led by the U.S. Department of Energy’s Office of Energy Efficiency and Renewable Energy
- State programs are often linked with state universities
- The private sector and non-government organizations support training programs across the U.S.
Federal Energy and Manufacturing Workforce Training Programs

Examples of training programs show linkages with state universities and the private sector

- Troy, New York: Hudson Valley Community College
  - Solar Installation Instructor Training

- Austin, Texas: American Youth Works
  - Solar Installation Instructor Training

- Santa Clarita, California: Electricore, Inc. SWUSA
  - Grid Engineering for Accelerated Renewable Energy Deployment
DOE EERE Also provides a listing of colleges and universities with renewable energy training programs.

Source: https://www.energy.gov/eere/education/colleges-and-universities
State programs- Florida

- **Florida Solar Energy Center (FSEC)**
  - A research instate of University of Central Florida
  - FSEC has a broad range of training programs
    - Express PV Certification
    - SunSmart E-Shelters
    - EV Transportation Center
    - Course: Installing Photovoltaic Systems
    - Course: Selecting Solar Water Heating for Zero Energy Green Homes
State programs - Colorado

- Colorado Mountain College offers three solar energy certification programs
  - Basic Solar Photovoltaic
  - Photovoltaic installer
  - Solar Thermal Installer
- Courses prepare students for North American Board of Certified Energy Practitioners (NABCEP) certification
- https://coloradomtn.edu/programs/solar-energy/
NGO’s work across the U.S.

• The Solar Foundation
  • A nonprofit, nonpartisan organization dedicated to advancing the use of solar and solar-compatible technologies worldwide
  • Produced the National Solar Jobs Census 2017 which showed 250,271 solar jobs in 2017, a 168% increase from 2010
  • Solar Training Network matches job candidates with training and career opportunities
    • Supported by the DOE EERE Solar Energy Technology Office
  • https://www.thesolarfoundation.org/