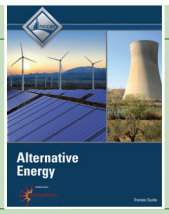
ALTERNATIVE ENERGY



GBCI CMP

Curriculum Notes

- *Introduction to the Power Industry* is a prerequisite for completion and must be purchased separately.
  - Paperback: $24.99, ISBN 978-0-13-215413-0
- 132.5 Hours
- Published: 2011
- Endorsed by the Florida Energy Workforce Consortium in support of the 17th Career Cluster developed for Energy, *Alternative Energy* investigates the viability and value of fossil fuel alternatives, such as biomass/biofuel, nuclear, solar, and wind.
- The intended audience is secondary and post-secondary programs, as well any programs designed to articulate into a green career track.
- *Introduction to Alternative Energy* (Module ID 74101-11) has been approved for 25 general continuing education hours under GBCI's Credential Maintenance Program.
- This craft requires additional instructor qualifications. For more information, contact NCCER Customer Service at 1-888-622-3720 or visit the craft page at nccer.org.
- Downloadable instructor resources that include module tests, PowerPoints®, and performance profile sheets are available at www.nccer.org/irc.

PAPERBACK **ISBN**

Trainee Guide: $69.99 **978-0-13-266625-1**

MODULES

The modules listed below are included in the Trainee Guide. The following ISBNs are for ordering individual modules only.

Introduction to Alternative Energy *(25 Hours)*

ISBN 978-0-13-272935-2

(Module ID 74101-11) Identifies the need for alternative energy development. Describes the contributions and potential of individual alternative energy sources. Also covers the present U.S. electrical grid and issues affecting specific alternative energy source tie-in and reliability.

Biomass and Biofuels *(22.5 Hours)*

ISBN 978-0-13-272936-9

(Module ID 74102-11) Defines potential sources of biomass and biofuels and discusses their advantages and disadvantages for energy production. Discusses the future of biomass as well as biomass energy applications.

Nuclear Power *(25 Hours)*

ISBN 978-0-13-272937-6

(Module ID 74103-11) Describes nuclear power and its sources. Discusses the advantages and disadvantages of nuclear power, the future of nuclear energy, and nuclear power generation.

Solar Power *(25 Hours)*

ISBN 978-0-13-272938-3

(Module ID 74104-11) Describes solar photovoltaic (PV) power and how it is harnessed. Identifies the advantages and disadvantages of solar energy. Discusses the past, present, and future of solar energy, as well as solar PV applications.

Wind Power *(22.5 Hours)*

ISBN 978-0-13-272939-0

(Module ID 74105-11) Describes wind power and how it is harnessed. Identifies the advantages and disadvantages of wind energy. Discusses the past, present, and future of wind energy, as well as wind energy applications.