### Alternative Energy

**Curriculum Notes**
- **Introduction to the Power Industry** is a prerequisite for completion and must be purchased separately. See p. 89 for ordering information.
- **132.5 Hours**
- **Published**: 2011
- **Endorsed by the Florida Energy Workforce Consortium in support of the 17th Career Cluster developed for Energy.**

**Introduction to Alternative Energy** *(Module ID 74101-11)*
- 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** *(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** *(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** *(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** *(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.

### Modules

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**PAPERBACK**

**Downloadable instructor resources** that include module tests, PowerPoints®, and performance profile sheets are available at www.nccer.org/irc.