Energy engineers discover valuable renewable energy sources that free us from dependency on quickly-depleting materials. They reduce greenhouse gas emissions that are hazardous to humans and the environment. And they eliminate waste by making our world more energy-efficient. This broad field of engineering deals with energy efficiency, energy services, facility management, environmental compliance and alternative energy technologies. Energy engineers creatively apply their knowledge of science (physics and chemistry), engineering (electrical and mechanical) and economics to confront the global challenges of energy supply and demand.

**Possible Career Opportunities**

- Power Plant Engineer
- Energy Manager
- Environmental Engineer
- Battery Engineer
- Electro-Mechanical Engineer
- Energy Analyst

**Sample Coursework**

- Biochemistry
- Calculus
- Chemistry
- Heat, Electricity and Optics Sustainable Energy
- Intro. to Electrical and Electronic Circuits

**Salary Expectations**

Examples of national median annual salaries of careers that can be obtained with an Energy Engineering degree are (O*NET, 12/2013): Power Plant Engineer $66,130, Energy manager $92,030, Environmental Engineer $80,890, Energy Analyst $65,120, and Electro-Mechanical Engineer $80,580.

(This section is intended for informational purposes, not predication of actual salary. Salary information is based on national salary ranges which are greatly impacted by location and relative cost of living.)

**Employment Outlook**

According to the Occupational Outlook Handbook (2012-2011) faster than average growth is expected through 2018 due to the increase need for Energy Engineers in research and development and consulting service industries. Employment Outlook will vary by specialty.

**Graduate/Professional School Opportunities**

Energy Engineering graduates may choose to pursue advanced degrees in one of the following areas: Business Management, Law or Health-related fields, Electronic Engineering, Computer and Info Sciences, and Other Engineering Fields.

**Where Can I Get More Information?**

- Purdue School of Engineering and Technology: Office: ET 209 Phone: (317) 274-9717 [http://engr.iupui.edu/](http://engr.iupui.edu/)
- Association of Energy Engineers: [www.aeecenter.org](http://www.aeecenter.org)
- Indiana Office of Energy Development: [www.in.gov/oed](http://www.in.gov/oed)

**Interest Code**

- Investigative
- Realistic
- Conventional

**Where Could I Work?**

- Manufacturing Industry
- Professional, Scientific and Technical Industry
- Government (federal, state & local)
- Self-Employment