Energy Technology Curriculum and Course Descriptions

Curriculum for Energy Technology varies based on the degree or certificate and is subject to change.

Go to www.ivytech.edu/energy-technology to find recommended course curriculum and course descriptions.

Overview

Energy is a fundamental requirement for the sustenance of life, playing key roles in human ecology and in the development of the earth's flora and fauna. Due to continued growth in human population, with concomitant greater growth in energy demand, severe problems in the sustainability of needed energy resources could become acute. The Energy Technology program will examine the growth of energy consumption, the sustainability of energy supply, the long-term energy resources available, and the resulting environmental impacts caused on global and local scales. The program is designed to provide a solid foundation in the fundamental design and installation techniques required to work with energy technologies.

Ivy Tech Community College - Lafayette
Admissions:
888-IVY-LINE
(765) 269-5200
www.ivytech.edu

Ivy Tech Community College
3101 South Creasy Lane
Lafayette, IN 47905

Phone (765) 269-5472

For more information email the School of Technology
lafayette-sot@lists.ivytech.edu
Energy Technology Degree and Certificates

ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE
Two-year Associate of Applied Science degree programs prepare students for careers, career changes, and career advancement. AAS programs may also prepare students for transfer to four-year institutions. The program content, which is approximately 30 percent general education, provides depth and breadth in conceptual and professional/technical skills. Professional/technical courses equip students with the skills to obtain employment and to advance in the workforce.

TECHNICAL CERTIFICATE
The Technical Certificate in Energy Technology can be earned on the way to acquiring the Associate of Applied Science degree. Technical Certificate programs provide education in conceptual and technical skills for specific occupations. The program content is designed to develop competency in the comprehension of general and technical skills. Certificate programs require mastery of basic reading, writing, mathematical, and quantitative skills.

Careers in Energy Technology
- Lineworkers
- Power Plant Operators
- Pipefitters
- Electricians
- Boilermakers
- Instrument and Control Technicians
- Substation Mechanics
- Relay Technicians
- Meter Technicians
- Natural Gas Service Specialists
- Solar Thermal Installers, Technicians, and Energy Auditors
- Wind Turbine Operators and Technicians
- Photovoltaic and Geothermal Systems Installers

Elective Focus Areas
Students may focus their area of study in the following areas:

- Home Technology Integration/Energy Auditing
- Renewable Energy Systems Technology
- Wind Energy Technology
- Electric Line Technology
- Natural Gas Technology
- Power Plant Technology

Please note elective class availability varies by campus location.