ENERGY BUSINESS AND
FINANCE, B.S.

Begin Campus: Any Penn State Campus
End Campus: University Park

Program Learning Objectives

- Demonstrate knowledge of how markets for energy operate.
  - Articulate the factors that drive the supply of energy.
  - Articulate the factors that drive the demand for energy.
  - Explain how markets and government policies may fail.
- Demonstrate knowledge of the process of price formation in markets for energy commodities, specifically:
  - Crude Oil
  - Natural Gas
  - Electric Energy
- Demonstrate knowledge financial skills for the energy industries.
  - Demonstrate a basic understanding of accounting and business law.
  - Calculate the profitability of investment projects.
  - Describe how capital is raised for energy companies.
  - Describe how commodity markets operate, and how they hedge risk.
  - Demonstrate strategies to hedge risk in financial and insurance markets.
- Acquire problem solving ability.
  - Solve numerical problems common in energy commodity trading or analysis.
  - Create investment plans for energy projects.
  - Create strategies for business decisions in the face of market or regulatory uncertainty.
- Acquire the ability to communicate effectively with diverse groups through listening, speaking, and writing.
  - Communicate clearly through problem solving exercises.
  - Present solutions to business problems.
  - Speak with potential employers.
  - Use software programs to make presentations to potential employers.