

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 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.