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.