

What Can I Do With a Major in...

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The Associates of Science degree in Petroleum Technology program trains students in becoming a qualified petroleum technologist in the state of Pennsylvania and beyond. The newly modified program in Petroleum Technology at Pitt-Bradford conforms to national standards and to the personnel needs of the local, regional, and nationwide petroleum industry.

Petroleum Technology majors at Pitt-Bradford take courses in Petroleum Industry, Environment and Safety, Petroleum Geology and Geophysics, Drilling and Completion, Well Log Interpretation and Engineering Geology. After earning a two-year degree, students will have many job opportunities both in western Pennsylvania and the Southern Tier of New York. The major prepares students to work inland, off-shore oil, and gas exploration.

REQUIRED COURSES FOR THE MAJOR

PET 0101 Introduction to Petroleum Industry
PET 0102 Environment and Safety
PET 0103 Intro. to Petroleum Geology and Geophysics
PET 0104 Workshop Practices
PET 0106 Drilling and Completion
PET 0107 Geology of Marcellus Shale
PET 0201 Petroleum & Natural Gas Chemistry
PET 0202 Stratigraphy and Structural Geology
PET 0203 Oil & Gas Gathering and Transportation
PET 0204 Well Log Interpretation
PET 0208 Hydraulic Fracing

OTHER REQUIRED COURSES

ENG 0101 English Composition I
ENG 0102 English Composition II
MATH 0110 OR MATH 130 OR MATH 132
CHEM 0101 General Chemistry I
GEOL 0101 Physical Geology
PHYS 0203 Foundation of Physics I
PHYS 0103 Concepts of Modern Physics OR
PHYS 0204 Foundations of Physics
PET 0105 Introduction to Geographic Information
GEOL 0205 Engineering Geology
GE-The Human Experience: Choose two from Arts & Letters;
Behavioral, Economic and Political Sciences; History,
Cultures and Philosophical Inquiry,
Physical, Life and Computational Sciences

TOTAL CREDITS TO GRADUATE: 66-67

REQUIRED SKILLS

- Leadership
- Decision Making
- Critical Thinking
- Problem Solving
- Technology

POSSIBLE EMPLOYERS

- Corporations
- Industries
- State and Federal Government
- Environmental Agencies
- Research Firm

PROFESSIONAL ORGANIZATIONS

Pennsylvania Independent Oil and Gas Association

Drilling Engineering Association

International Association of Oil & Gas Producers

International Petroleum Industry Environmental Conservation Association

www.iogapa.org

www.dea-global.org

www.ogp.org.uk

www.ipieca.org

LEARN MORE ABOUT CAREERS IN PETROLUM TECHNOLOGY

Society of Petroleum Engineers

Oil Careers

Career Services

www.spe.org/about/careers

www.oilcareers.com

www.upb.pitt.edu/career.aspx