Consistent with the overall mission of the University of Pittsburgh at Bradford, the Associate of Science degree in Petroleum Technology includes a liberal arts core curriculum.

**Employment Opportunities:**
- Completions Technician
- Control Center Operator
- Field Service Technician
- Lineman
- Quality Assurance
- Shift Supervisor
- Well Services
- Drill Site Manager
- Equipment Manager
- Operations Manager
- Safety Manager
- Sales Manager

The associate of science degree in petroleum technology trains students in becoming a qualified petroleum technologist in 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 national 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 Enhanced Hydrocarbon Recovery. 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 in oil and gas exploration and production.

**Required Skills:**
- Critical Thinking
- Problem Solving
- Technology Knowledge
- Decision Making
- Research
- Leadership

**Possible Employers:**
- Corporations
- Industries
- State and Federal Government
- Environmental Agencies
- Research Firm
- Engineering Firm

**PROFESSIONAL ORGANIZATIONS:**
- Pennsylvania Independent Oil and Gas Association
  - www.pioga.org
- Drilling Engineering Association
  - www.dea-global.org
- International Association of Oil & Gas Producers
  - www.ogp.org.uk
- International Petroleum Industry Environmental Conservation Association
  - www.ipieca.org

**LEARN MORE ABOUT CAREERS IN PETROLEUM TECHNOLOGY AT:**
- Society of Petroleum Engineers
  - www.spe.org/about/careers
- Oil Careers
  - www.oilcareers.com
- Career Services
  - www.upb.pitt.edu/career.aspx
**Petroleum Technology (AS) – Curriculum Guide**

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**GENERAL EDUCATION REQUIREMENTS**
- ENG 0101 English Composition I
- ENG 0102 English Composition II
- MATH 0098 Algebra II OR MATH 0110 Fundamentals of Mathematics OR MATH 0132 Pre-Calculus
- CHEM 0101 General Chemistry I
- GEOL 0101 Physical Geology
- PHYS 0103 Concepts of Modern Physics
- PHYS 0203 Foundations of Physics I Lab

**HUMAN EXPERIENCE ELECTIVES**
(Choose 6 credits from two of the following three General Education areas):
- Arts and Letters; Behavioral, Economic, and Political Sciences;
- History, Cultures, and Philosophical Inquiry

**REQUIRED MAJOR COURSES**
- PET 0101 Introduction to Petroleum Industry
- PET 0102 Environment and Safety
- PET 0103 Introduction to Petroleum Geology & Geophysics
- PET 0105 Introduction to Geographic Information Science & Technology
- PET 0106 Drilling and Completion I
- *PET 0110 Basic Principles of Well Control and Mud Logging
- PET 0201 Petroleum & Natural Gas Chemistry
- PET 0203 Natural Gas Processing
- PET 0204 Well Log Interpretation
- PET 0206 Drilling and Completion II
- PET 0207 Black Shale of the Appalachian Basin
- PET 0208 Enhanced Hydrocarbon Recovery
- PET 0209 Introduction SCADA

**TOTAL 66 CREDITS**

*Students are required to cover the registration fee for the “Well Control Certificate” in lieu of textbook.

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**According to your Degree Progress Report in MY.PITT.EDU upon successful completion of the current term:**

You will have EARNED ________ credit hours

You NEED ________ for 66 credit hours required for graduation.

**NOTE:** This guide is unofficial. Completing the requirements on this sheet does NOT guarantee degree completion. Official degree completion information can be found in MY.PITT.EDU. Contact your Faculty Advisor and/or the Registrar’s Office with questions or concerns.