



WHAT TO DO WITH A MAJOR IN...

PERTROLEUM ENGINEERING

Description of Major

Established in the fall of 2015, Mississippi State University's petroleum engineering degree program was the first in the state. The curriculum is designed to educate students on the foundational principles required for success in the petroleum industry. Graduates will be prepared to enter the workforce and manage the human and energy resources in the petroleum industry. Students will develop hands-on, communication, and critical thinking skills to be successful. The program offers unique training with a particular emphasis on petroleum reservoir engineering, enhanced petroleum recovery methods, and thorough economic analysis. The degree is housed within the Swalm School of Chemical Engineering, and offers a student-focused curriculum with one-on-one advising and professional development opportunities.

Possible Job Titles

Note: This list is not comprehensive, and some positions may require further education or training.

Drilling Engineer	Petroleum Landman
Energy Economist	Production Engineer
Environmental/Regulatory Specialist	Reservoir Engineer
Geologist	Seismic Engineer
Geophysicist	Well-log Analyst

The following links are excellent resources on specific careers such as those listed above:

- **O-net:** <http://online.onetcenter.org/>
- **Occupational Outlook Handbook:** <https://www.bls.gov/ooh/>
- **Federal Occupations by College Major:** <https://tinyurl.com/y9sx5fr3>

The following links are an excellent resource for a variety of professional organizations within Petroleum Engineering:

- **Society of Petroleum Engineers:** <http://www.spe.org/>
- **American Petroleum Institute:** <http://www.api.org/>
- **Independent Petroleum Association of America:** <http://oilindependents.org/>
- **International Association of Drilling Contractors:** <http://iadc.org/iadc.htm>

Possible Employment Settings/Fields

Apache Corporation	Quantum Reservoir Impact
Chevron	Questar Wexpro
ConocoPhillips	Schlumberger
ExxonMobil	Sunoco Logistics
MET Laboratories, Inc.	US Bureau of Land Management

Strategies for Success

- Become involved with campus organizations and honor societies at MSU (Society of Petroleum Engineers (SPE), American Association of Drilling Engineers (AADE), AIChE, Tau Beta Pi).

- Prepare for graduate school if an advanced position is desired.
- Develop excellent oral and written communication skills.
- Consider minoring in a second language.
- Schedule informational interviews with recent graduates, professors, and other career professionals.
- Gain valuable experience through co-op programs, internships, job shadowing, part-time jobs, and/or volunteer work.
- Develop and use good networking skills in preparation for life after college.

Departmental Information for Petroleum Engineering

Office Address: 330 Swalm Chemical

Mailing Address: P.O. Box 9595, Mississippi State, MS 39762

Phone: (662) 325-2480 **Fax:** (662) 325-2482

Website: <http://www.che.msstate.edu/pte/>