

## Petroleum Engineering



### **How will you push yourself further? How will you build on past accomplishments?**

At Chevron, we believe that the answer is collaboration – talented individuals like yourself working in concert with other exceptional professionals.

Every day, you'll use your expertise in petroleum engineering in pursuit of world-changing work – delivering the energy people need to succeed in all areas of life.



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# Petroleum Engineering

As a petroleum engineer, you'll play a vital role in delivering the vital energy the world needs. Use your talents to make an impact on billions of people.

## Qualifications

Chevron offers both full-time and internship positions for petroleum and drilling engineers. We are looking for students who are pursuing a bachelor's, master's, or doctorate in chemical, mechanical or petroleum engineering

## Reservoir and Simulation Engineering

Reservoir and simulation engineers make use of the latest analytical techniques to understand well and reservoir behavior on rock parameters, geology, and fluid properties.

### Reservoir Simulation Consulting and Support

- Reservoir simulation studies to assist operating companies with reservoir development and reservoir management projects
- Reservoir simulation, uncertainty analysis, experimental design, well-test analysis, and nodal analysis
- Research and development projects: testing and deploying new tools, developing new work processes, and assisting the research and development teams

### Reservoir and Simulation Research and Development

- Research, development, and application of optimization techniques
- Gridding, upscaling, and modeling of geologically and geometrically complex reservoirs
- Advanced numerical methods for fluid flow
- Data integration for improving reservoir modeling and uncertainty

### Heavy Oil and Unconventional Resources

- Conduct reservoir simulation studies
- Conduct research and development in improved oil recovery
- Participate in reservoir management studies
- Conduct history matching and sensitivity studies

## Production Engineering

Production engineers are involved in the full lifecycle of field development – from conceptual design through the production phase and eventually abandonment. Production engineers specialize in reservoir surveillance and production system optimization, evolving development concepts, and contributing to well completions. Your typical responsibilities will include:

- Production monitoring and evaluation
- Asset management planning
- Workover design and execution
- Production equipment design
- Cost estimating and budgeting
- Interfacing with working: interest partners, service companies, and regulatory agencies

## Drilling Engineering

As an entry-level drilling engineer, your career begins as a drill site manager – an on-site representative for drilling, completion, workover, and intervention operations. Drill site managers work a rotational schedule, typically 14 days on/14 days off. Your typical responsibilities will include:

- Directing day-to-day drilling and completions operations to ensure the safety of all personnel on location and compliance with all applicable environmental regulations
- Managing day-to-day activities of rig contractor personnel and third-party contractors
- Managing logistics for personnel and equipment to and from location
- Providing accurate daily drilling reports and maintaining accurate cost control

After two to five years of experience, entry-level drilling engineers have the opportunity to move into the office and work as a drilling or completions engineer. Examples of project work for drilling or completions engineers are:

- Fit-for-purpose well or completion designs
- Bit and drill string design
- Casing and cement design
- Risk assessments and probabilistic cost estimating

## Grow With Us: Career Opportunities

At Chevron, you'll find not just a job, but a career path as dynamic and rewarding as you choose to make it. We have made continuous learning an integral part of our culture, opening doors to new pursuits and new possibilities throughout the organization.

As a petroleum engineer, you may start out at any of Chevron's worldwide upstream operations, spending your first five to 10 years in production engineering, reservoir engineering, or drilling engineering. Opportunities to transfer overseas usually begin after five years of experience. Other opportunities for petroleum engineers include:

- Asset team leadership
- Business planning and analysis
- Nonoperated joint venture
- Asset management
- Operations supervising
- Environmental, safety, fire, and health
- Project management

## Locations

We have opportunities in Angola, Australia, Canada, China, Indonesia, Nigeria, Thailand, United Kingdom, and United States.



Human energy™



*You'll find that even on an ordinary day at Chevron, you're part of an extraordinary mission.*