Chevron

# help shape the future of energy at chevron

human energy®

# explore chevron careers

Chevron is one of the world's leading integrated energy companies. Our success is driven by our people and their commitment to get results the right way. We have an inclusive work environment that values the uniqueness and diversity of individual talents, experiences and ideas.

Our portfolio is built on a strong and diverse set of assets around the world. In the Upstream sector, our asset classes include:

- Conventional and unconventional crude oil (in locations such as the United States, Canada and Argentina) and natural gas
- Legacy crude oil in Kazakhstan
- Liquefied natural gas (LNG) in Australia
- Deepwater (Nigeria, Angola and the U.S. Gulf of Mexico)

Our world-class Downstream and Chemicals business is focused on growing higher-return segments, including petrochemicals, lubricants and additives.

An engineering career at Chevron can offer you the opportunity to put your education and interest in solving problems to work in an exciting environment that puts your health and safety as its highest priority. You'll learn from some of the best engineers in our business and have access to leading-edge technology and tools, helping to create new and innovative energy solutions.

**Learn more and apply**

Meet us on your campus or at a special event. You'll have the opportunity to talk to employees and recruiters and ask questions about what it's like to work at Chevron. Contact your campus career center for specific details about when and where to meet us. Visit us today at careers.chevron.com

# drilling and completions

**Drilling and completions engineers** supervise drilling, completions and workover operations at Chevron's rigs to ensure that drilling operations are safe, environmentally conscious and cost-efficient. Later, you may supervise more complex operations at remote sites.

**Drilling engineers** will usually start with field-based assignments, working at a rigsite onshore or offshore, on a rotating schedule for about two years. Responsibilities may also include:

- Direct daily operations ensuring safety of personnel and compliance with environmental regulations.
- Manage activities of rig contractor personnel and third-party contractors.
- Supervise logistics for transporting personnel and equipment to and from the location.
- Generate daily reports and maintain accurate cost control.

**Completions engineers** design and implement techniques to help maximize oil and gas production. Responsibilities may also include:

- Perform stimulation techniques, such as acidizing, fracturing and water shutoff based on well and reservoir diagnostics.
- Design and install sand control applications such as gravel packing, frac packing and consolidation.
- Optimize completions and workover operations and design and model completion performance.
- Design horizontal and multilateral wells.
- Determine primary and remedial cementing procedures and the design and installation of tubulars, packers and subsurface control and surveillance equipment.
- Plan through tubing and concentric workovers and intelligent completions.
- Prepare cost estimates and assess risk in terms of probability and potential remedies.

## We hire petroleum, mechanical or chemical engineers with bachelor's, master's or doctorate degrees.

# facilities engineering

**Facilities engineers** are involved with designing, building and maintaining the Chevron facilities that bring oil and gas production to market. Facilities engineers work in all parts of the organization in locations around the world.

As you start your career, you may work in the following areas:

**Systems, refining or operations engineers** support day-to-day operations of Chevron's facilities. Responsibilities may include:

- Assisting operations personnel with evaluation of existing facilities for cost reduction and improved efficiency.
- Troubleshooting and optimizing operating processes like separation and catalytic conversion of crude oil to gasoline, jet fuel and diesel.
- Supporting complex technologies like distillation, gas treating, hydrotreating, hydrocracking, catalytic cracking and sulfur recovery.
- Small-to-medium project identification, scoping, cost estimating, detailed engineering, construction and startup.

**Technical discipline engineers** are responsible for:

- Developing and optimizing systems for separation, purification, gasification, transportation and disposition of hydrocarbons.
- Designing, building, operating and maintaining mechanical systems and ensuring asset integrity and reliability.
- Monitoring and/or safely controlling equipment, processes and facilities.
- Designing, building, operating and maintaining systems for generating, distributing and managing electrical power.
- Providing subsea engineering expertise.
- Completing technical safety studies to assess and establish risk profiles.
- Conducting site investigation/selection, structural design, construction, transportation and startup.

**Project management engineers** have typically spent time building a foundation in technical engineering and operations support. Upon reaching this point, you can leverage your work experience to manage major projects in upstream and downstream facilities. Responsibilities may include:

- Project identification, scoping, evaluation and alternative selection.
- Facilities design, engineering and construction oversight.
- Assisting with startup and turnover of facilities.

## We hire chemical, civil, electrical, mechanical, materials, metallurgical and subsea engineers for these roles.

# earth science

**What you'll do**
You may work on all types of oil and gas reservoirs in a wide range of sedimentary basins located around the world. Unique challenges may include subsalt imaging, shale gas development and enhanced recovery. You'll provide technical geological and geophysical support and risk assessment for prospect generation, reserves recovery and/or major capital projects. You may be part of multidisciplinary teams that include professionals from fields such as drilling engineering, subsurface production engineering and surface facility engineering. Some typical first assignments include:

- **Development geologist.** Apply your detailed geologic knowledge to currently producing assets and develop new ideas or projects for improving total reserves recovery.
- **Exploration geologist.** Apply your understanding of the earth's systems and processes to areas with little data and develop a potential exploration test area.
- **Development geophysicist.** Apply your understanding of seismic data on a detailed scale to propose new infill drilling locations within an existing oil and gas property.
- **Exploration geophysicist.** Apply your technical geophysics knowledge to a regional data set and discover a new area for exploration.
- **Petrophysicist.** Apply your technical skills in sedimentary mineralogy and physics to analyze well data and determine quantitative reservoir properties and influence critical oil and gas well completion decisions.

During your first five to six years with Chevron, your technical skills will grow within your area of expertise but will also broaden into other earth science disciplines. Skills you may develop include:

- Reservoir characterization and modeling.
- Subsurface mapping and prospect generation.
- Drilling operations and well-site geology.
- Reservoir properties from seismic.
- Exploration risk process.
- Integrated projects combining seismic, well log and core/rock data.
- Economic and business evaluation.

**We hire individuals with a master's or doctorate degree in geology, geophysics, geological engineering or related fields.**

Earth science is the foundation of our industry; it is essential to unlocking the earth's vital stores of energy. Chevron earth scientists collaborate with talented colleagues around the world to develop new ideas and technical concepts that drive Chevron's major business segments.

# health, environment and safety


**Health, environment and safety –** Our HES team protects the safety and health of our people as well as the environment in our operations and the communities where we work.

**Safety engineers** advise on regulatory requirements and best practices, ensuring compliance. Safety engineers may work in a variety of positions including:

- Occupational hygiene
- Repetitive stress injury prevention
- Contractor safety management
- Motor vehicle safety
- Managing safe work practices

**Environmental engineers** provide a consistent, disciplined approach to improving environmental performance and reducing impacts from operations. Understanding environmental issues and developing effective advocacy strategies are high priorities. Environmental engineers may work in the following areas:

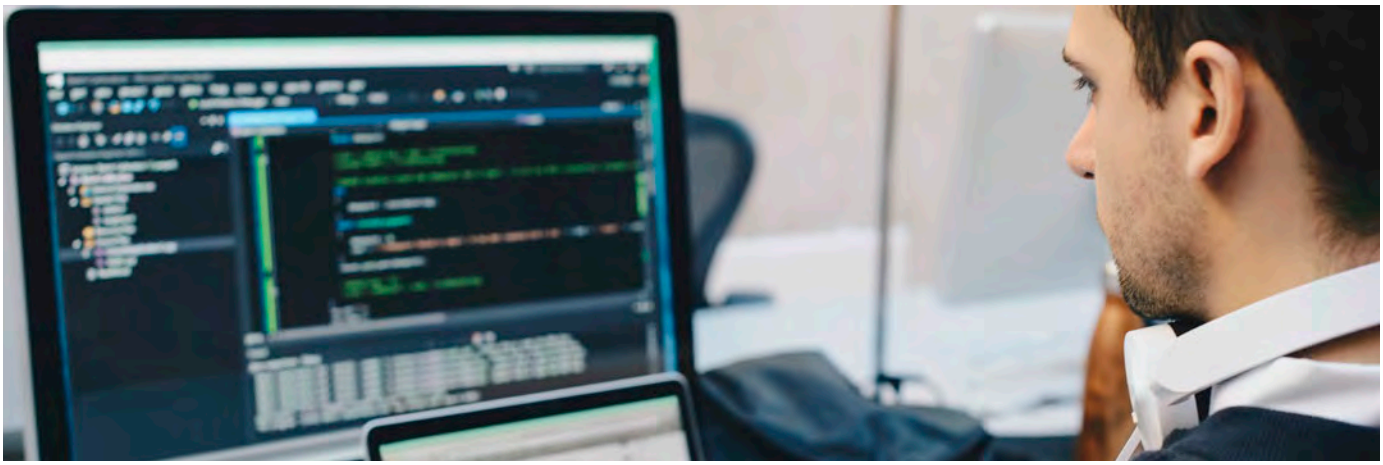
- Accidental release management
- Air emissions management
- Energy efficiency and greenhouse gas management
- Legacy sites management
- Natural resources management including waste and wastewater management

**Process safety engineers** focus on the physical assets and the processes and procedures used to design, construct and operate them. These engineers work across multiple functions and provide subject matter expertise and advice to the line organization. Responsibilities may include:

- Verifying that safeguards are in place, functioning and tested on a periodic basis.
- Applying appropriate qualitative and quantitative analyses to support risk management.
- Ensuring that operations personnel receive current and accurate written procedures to safely start up, operate and shut down processes and/or equipment.
- Playing a significant role in further developing process safety culture and competency within their business unit.
- Supporting mechanical integrity and asset integrity programs.
- Participating in field inspections and reviews and assist in the development of process tools and action plans to close identified gaps.

## We hire environmental, civil, chemical, petroleum or mechanical engineers (with environmental emphasis) who hold a bachelor's, master's or doctorate degree.

# information technology



We develop and deploy IT infrastructure and digital technology solutions supporting global operations and design business solutions that create value to maintain reliable operations and save lives.

**Data scientists** apply scientific methods and computer science to solve complex business challenges. Responsibilities may include:

- Framing business questions to be solved by data science techniques.
- Working with domain experts and data engineers to identify and prepare datasets for analyses.
- Applying machine learning and related methods to build and test predictive and prescriptive models.
- Establishing the life cycle management process for models.

**Software engineers** develop software solutions by following the software development life cycle. Responsibilities may include:

- Performing programming activities.
- Contributing to timetables and project plan priorities.
- Troubleshooting application configurations and data-related problems.
- Providing application support to enable effective use of applications.

**Engineering and scientific applications professionals** provide technical support for engineering and scientific applications. Responsibilities may include:

- Supporting application workflows and troubleshooting, tool development and integration.
- Providing data management support, including data loading, quality control and integration.
- Delivering application environment support and installation, configuration and maintenance.
- Translating business problems into software requirements and delivering solutions.

**Network engineers** design, deploy and support Chevron's Global Network infrastructure, including Industrial Internet of Things, major capital projects and telephony. Responsibilities may include:

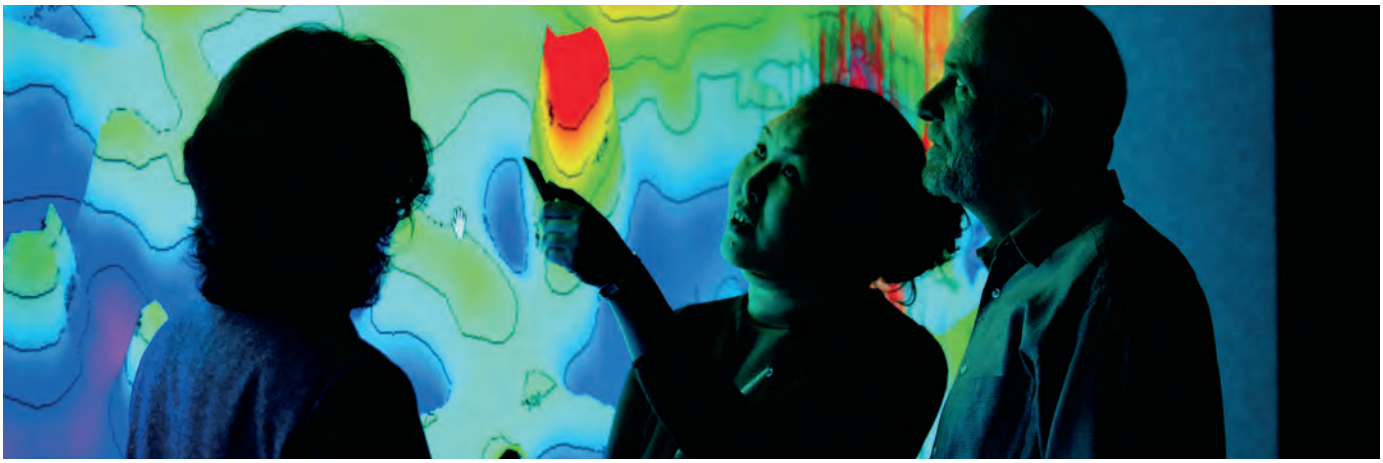
- Defining, documenting and managing standards, life cycles and compliance relating to routing, switching, wireless, radio frequency and telephony.
- Maximizing network performance.
- Collaborating with network architects on network optimization.
- Designing, managing and integrating network technology.

**Cybersecurity analysts** protect Chevron's critical IT assets and assess, develop and validate security programs and operations. Responsibilities may include:

- Analyzing threat information and testing, developing and configuring security technologies.
- Demonstrating knowledge of corporate security and information risk-management-related policies.
- Participating in security assessments and validations for IT and operational technology.
- Operating and administering security infrastructure, including hardware, software and documentation.

## Candidates should have a bachelor's or master's degree or equivalent experience.

# petroleum engineering



**Petroleum engineers** play a critical role in our operations by managing oil and gas producing properties and identifying opportunities to improve performance and profitability.

As a petroleum engineer, you may start out in any of Chevron's upstream operations, spending your first five to 10 years in a combination of production engineering, reservoir engineering or drilling engineering assignments. Opportunities to transfer to overseas locations usually begin after five or more years of experience. Other opportunities for petroleum engineers include asset team leadership, business planning and analysis, non-operated joint venture asset management, operations supervision and project management.

**Production engineers** are involved in the full life cycle of field development, from conceptual design through the production phase and eventually abandonment. They specialize in reservoir surveillance and production system optimization, evolving development concepts and contributing to well completions. Responsibilities may also include:

- Assist with maximizing profits by increasing revenue and lowering operating expenses.
- Production equipment design, monitoring, and evaluation and workover design and execution.
- Cost estimating, budgeting and asset management planning.

**Reservoir engineers** evaluate field performance opportunities and help maximize the ultimate value of a property. Responsibilities may also include:

- Conduct reservoir simulation studies and predict reserves and performance for well proposals.
- Evaluate and predict waterflood and enhanced recovery performance and analyze pressure transients.
- Design and coordinate petrophysical studies.
- Analyze major development programs.
- Conduct heat management studies in steamfloods.
- Test and deploy new tools, develop new work processes, and assist research and development teams.

**Heavy oil and unconventional resources engineers** provide solutions to increase the value of heavy oil assets and other unconventional reservoirs. Responsibilities may also include:

- Conduct research and development studies in improved oil recovery.
- Design, implement and produce reporting on reservoir management studies.

## We hire individuals with a bachelor's, master's or doctorate degree in petroleum engineering or in other engineering disciplines but with previous oil industry experience.

# process, research and development

**Research and development engineers** in Chevron's Energy Technology Company partner with all disciplines to help discover cleaner, smarter ways to power the world. We offer our engineers global opportunities to grow their career in a dynamic, collaborative environment. Responsibilities may include:

- Developing technology products and technical services in reservoir management, earth science, drilling and production engineering, facilities engineering and process engineering.
- Drilling and production systems – drilling solutions, floating production and drilling systems, marine services, subsea production systems, deepwater pipelines, flow assurance and production optimization.
- Reservoir performance optimization – oil recovery, reservoir modeling, subsurface project and reservoir management, intelligent completions, reservoir surveillance and data integration.
- Subsurface characterization – deploying seismic processing and analysis capabilities to determine reservoir properties from seismic imaging; high-fidelity seismic imaging; accurate and repeatable reservoir mapping through integrated stratigraphy; structure, seismic, geostatistics and formation evaluation and using information technology to lower costs and increase automation.
- Providing process engineering and analytical lab support.
- Discovering new catalysis materials and evaluating novel techniques to characterize catalysts.

**Process research engineers** in Chevron Oronite support the development, commercialization and manufacture of fuel and lubricating oil additives, providing solutions to customers globally. Our engineers and technologists provide innovative solutions that keep the world moving by introducing new performance products for automotive, natural gas, railroad and marine engine oils.

Responsibilities may include:

- Scale-up of chemical reactions from the laboratory and pilot plant to commercial-scale units.
- Interact with plant technical and operations groups to provide design support for new facilities.
- Plan and conduct commercial trials and optimize existing processes.
- Work closely with synthetic chemists, formulators and other process engineers to identify process variables impacting product performance.
- Develop new or improved additive packages and formulations to meet specific customer or original equipment manufacturer requirements.
- Write comprehensive research reports and conduct in-depth studies on chemical kinetics, literature and patent surveys.

## We seek candidates with a bachelor's, master's or doctorate degree in chemical, civil, electrical, mechanical or petroleum engineering.

# career development programs

Chevron invests in the professional growth of our employees. Effective career development at Chevron combines individual aspirations with the business objectives of the company. At Chevron, early career development includes mentoring, classroom instruction, networking and challenging work assignments supported by technical resources that enhance technical and professional skills development.

Chevron offers focused career development programs that begin on your first day of employment and continue throughout your career.

Depending on your initial assignment with Chevron, you may participate in one of the following career development programs:

**Chevron Downstream and Chemicals Engineering Development Program**
As a member, you will hold rotational assignments that are project management based and designed to give you technical expertise within our Terminal Engineering.

**Chevron Oronite Development Program**
As a member, you will hold technical assignments designed to give you expertise in research and operations during three rotations within Chevron Oronite.

**Horizons Development Program**
As a technical professional, you'll be enrolled in a five-year development program designed to develop your skills through multiple assignments, mentoring, various learning activities and formal training supported by technical resources.

**Chevron Technical University**
As a Downstream technical professional, you will participate in six weeks of classroom instruction taught by Chevron subject matter experts. This training is spread over the course of one year and focuses on manufacturing technology, equipment and fundamentals.

**Pathways Growing Capability Development Program**
In addition to the early career programs, the Pathways Growing Capability process fosters targeted employee development and active career management discussions between supervisors and employees throughout your career.

# why join chevron?

**Culture of collaboration and teamwork**
You can succeed as an individual, supported by a talented team.

**The Chevron Way**
More than just words, The Chevron Way values are lived out by our employees every day.

**A global business**
Your job will have an impact on the lives of millions around the world. At the same time, you'll work with some of the best people in our industry.

**Career growth and development**
Explore career paths and participate in training that will help you succeed personally and professionally.

**Competitive pay and benefits**
Chevron's pay and benefits programs are designed to meet the diverse needs of our employees.

**We Lead**
Our future success relies upon a workforce where everyone recognizes the role they play as a leader. Our We Lead initiative emphasizes critical expectations for leadership and what it looks like at all levels of the company.


To learn more about engineering jobs at Chevron, visit careers.chevron.com.

Chevron is an Equal Opportunity/Affirmative Action employer.
All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability or protected veteran status.

**Chevron Corporation**
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