Help Shape the Future of Energy as an Engineer at Chevron
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 – by operating responsibly, executing with excellence, applying innovative technologies and capturing new opportunities for profitable growth. We are involved in virtually every facet of the energy industry. We explore for, produce and transport crude oil and natural gas; refine, market and distribute transportation fuels and lubricants; manufacture and sell petrochemical products; generate power and produce geothermal energy; provide renewable energy and energy efficiency solutions; and develop the energy resources of the future, including research into advanced biofuels.

An engineering career at Chevron can offer you the opportunity to put your education and interest for solving problems to work in an exciting environment. 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 to power the world.

Our team has the technology to take on big challenges, the integrity to do it responsibly and the drive to keep moving the world forward. Are you ready to join the challenge?

**Learn more and apply**

Meet us in person on your college campus or at a special event. You’ll have the opportunity to talk to real employees and recruiters and ask questions about what it’s like to work at Chevron. Please contact your campus career center for specific details and any requirements needed prior to meeting with us on campus. **Visit us today at careers.chevron.com.**
Drilling and Completions Engineering

**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. We hire petroleum, mechanical or chemical engineers with bachelor’s, master’s or doctorate degrees.

**Drilling engineers** will usually start with field-based assignments, working at a rig site 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.
Facilities Engineering

Facilities engineers play a vital role in managing Chevron construction projects and also in the day-to-day operations of Chevron assets such as refineries, oil fields and chemical plants. We hire mechanical, electrical, civil and chemical engineers with bachelor’s, master’s or doctorate degrees. As a facilities engineer at Chevron, you can build your career in the following disciplines.

Project management engineers oversee the development and management of construction projects in Chevron’s upstream or downstream facilities. You may work with tanks, vessels, compressors, pumps, piping, power distribution, instrumentation and computer-based process controls.

Your responsibilities may include:
• Project scoping and estimating
• Facilities design and engineering
• Material specification
• Contract administration and equipment purchasing
• Interfacing with operations teams
• Assisting with startup and turnover of facilities

Asset management and operations engineers may work on a team executing operating plans and capital expense budgets to develop Chevron assets, such as refineries and chemical plants. Your responsibilities may also include:
• Assisting operations personnel in evaluating existing facilities for cost reduction and improved efficiency.
• Troubleshooting and optimizing operating processes like separation and catalytic conversion of crude oil into gasoline, jet fuel and diesel.
• Developing and operating technologies like distillation, gas treating, hydrotreating, hydrocracking, catalytic cracking and sulfur recovery.
• Project identification, scoping, cost estimating, detailed engineering, construction and startup for improvement projects.
• Inspecting pressure vessel and process piping for reliability during operation and maintenance events.

Technical support engineers cover many aspects of facilities design. Your responsibilities may include:
• Designing large construction projects.
• Becoming a specialist through experiential training.
• Providing technical design for new offshore platforms and modifications of existing platforms.
• Solving corrosion challenges and implementing environmental engineering solutions using alternative energy sources.
Our health, environment and safety (HES) engineering team protects our people as well as the environment in our operations and the communities where we work. We hire environmental, civil, chemical petroleum or mechanical engineers who hold a bachelor’s, master’s or doctorate degree.

**Safety engineers** advise on regulatory requirements and best practices, ensuring safety and 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. Staying on top of emerging 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 waste water management

**Process safety engineers** design, construct, operate and maintain facilities that process or handle potentially hazardous materials or energy. Responsibilities may also include:

- Ensuring that operations personnel receive current and accurate written procedures to safely start up, operate and shut down processes and/or equipment.
- Confirming that structures and equipment with potential for high consequence events are suitable for their intended application.
- Providing the necessary rigor to prevent facility failures having a potential for significant impact to personnel, the public, the environment, or the asset.
Information Technology Engineering

Chevron’s Information Technology (IT) teams develop and deploy diverse IT infrastructure solutions that support our global operations. Our approach includes in-house technical expertise, proprietary solutions and strategic partnerships within the company. You’ll create solutions to business problems that influence the lives of millions. Candidates should have a bachelor’s or master’s degree in electrical engineering, systems engineering, computer science, management information systems or a related technical or business field. In some situations, equivalent experience may be an appropriate substitute for outlined degrees.

**Computer engineers** manage information planning and budgeting for large and small IT projects around the world. Responsibilities may include:
- Modeling processes and identifying opportunities to leverage technology.
- Designing, developing, implementing and testing computer-based hardware.
- Designing network systems and working on integrating software programs.

**Network engineers** design and support information technology infrastructure. Responsibilities may include:
- Defining, documenting and enforcing related standards, specifications and physical or software requirements for drivers.
- Updating protocols and signaling characteristics of the networking technologies in use.
- Maximizing network performance by monitoring.
- Collaborating with network architects on network optimization.
- Securing network system by establishing and enforcing policies.
- Designing, managing and integrating technology.

**Software engineers** develop software solutions by studying information needs and following the software development life cycle. Responsibilities may include:
- Determining operational feasibility by evaluating analysis, problem definition, requirements, solution development and proposed solutions.
- Preparing and installing solutions by determining and designing system specifications, standards and programming.
- Developing and supporting solutions to meet future business needs.
- Obtaining and licensing software.
- Business and usability analysis.

**Telecommunications engineers** optimize communications networks for peak performance. Responsibilities may include:
- Visiting sites to inspect and troubleshoot equipment and technical problems.
- Designing, developing, installing and servicing telecommunication systems.
- Monitoring backbone links and network devices.
- Undertaking site surveys to ensure objectives and deadlines are met.
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. 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.

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.
Process, Research and Development Engineering

**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.

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

We seek candidates with a bachelor’s, master’s or doctorate degree in chemical or mechanical engineering. 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.
Subsea Engineering

Subsea refers to the design, manufacturing, installation, start-up and operations of the equipment and processes taking place beneath the water line. Subsea engineers are at the forefront of these exciting operations and provide technical and operational interface between the drilling, completions and subsea engineering teams. We hire bachelor’s, master’s and doctorate degree graduates from the following disciplines: civil, electrical, mechanical, petroleum and ocean engineering.

At the Center of Excellence of Subsea Engineering, our teams also provide technical project engineering and management expertise and deliver value to our upstream assets and major capital projects teams, lead subsea technology development and strategic research and offer specialized expertise and support to business units with subsea operations. We also develop, integrate and apply subsea technologies to unlock value from deepwater oil and gas fields.

Our work environment demands people who thrive in a culture that values safety and encourages and rewards innovation and collaboration and who can easily apply lessons learned to improve our operations.

As a subsea engineer at Chevron, your responsibilities may include:

- Planning, supporting and supervising subsea well interventions, completions and workovers.
- Designing, testing and installing subsea trees, controls and procedures.
- Providing on-site rig operations support.
- Coordinating operations with multiservice vessels and barge operations.
Career Development and Training Programs

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

Chevron offers focused training and career development programs that begin on your first day of employment and continue throughout your career. The Pathways program picks up where initial training and development programs end, helping experienced employees continue to broaden their skills through training and networking.

Depending on your initial assignment with Chevron, you may participate in one of the following career development and training 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 and Lubricants business units.

**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.

**Chevron Technical University**
As a Downstream or Oronite Manufacturing technical professional, you will participate in six weeks of Horizons 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.

**Horizons New Employee Development Program**
As an Upstream technical professional, you'll be enrolled in a five-year training program designed to develop your skills through challenging assignments in various locations, mentoring and formal classroom instruction.

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**Horizons Program Mission**
To Achieve Accelerated Technical Competency in Participant’s First Five Years

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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.