



MECHANICAL TECHNICIAN

#MechanicalEngineeringTechnician
#DesignTechnician #FluidServiceTechnician

You get to work with the big toys – the towering machines and tools of the oil and gas trade: pumps, tanks, vessels, shakers, filters, screens, centrifuges, hydraulic and pneumatic systems, generators, loaders, materials handling equipment, and more.

HOW DO I GET HERE?

A high school diploma (or equivalent) is typically required, although some employers prefer completion of a one- or two-year college program in mechanical engineering technology or a trade such as machinist or millwright.

Specific training is usually provided on-the-job.

Licensing:

- A Class 5 driver's licence and a clean driving record are required.



What does this career look like?

Mechanical Technicians are responsible for inspecting, maintaining and troubleshooting and repairing mechanical systems used in the oil and gas industry, such as downhole tools, pumps, generators, motors and turbines.

You could be working on equipment used for drilling a well or in a refinery, power generation or power conversion plant, manufacturing plant or it could be a compressor or catalytic convertor.

If something isn't functioning properly, you adjust, service, repair, test and do whatever is necessary to make it function like a well-oiled machine!

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What would I do?

You tinker, tweak, turn valves, read dials and test temperatures to inspect, maintain, troubleshoot, repair and overhaul mechanical systems used in the oil and gas industry. You may also be involved in the design and development of machines, their components and tools.

This role could include:

- ▶ Installing, positioning or manipulating tools, machines and equipment
- +5YRS** ▶ Operating vehicles, mechanized devices or equipment such as forklifts, passenger vehicles and air or water crafts
- ▶ Inspecting equipment, structures or materials to identify the cause of problems, defects and errors
- ▶ Monitoring and reviewing information from the environment or events to assess problems
- ▶ Setting up and conducting tests to investigate proposals for improving equipment performance
- +5YRS** ▶ Using computers to enter data or process information
- ▶ Participating in HSE programs, regular safety meetings and training sessions

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+5YRS Senior Level Activity

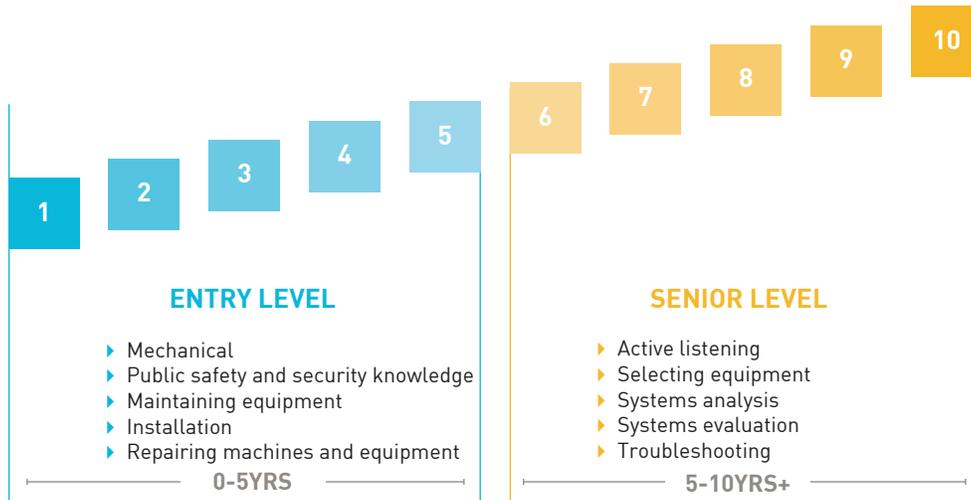
HEALTH & SAFETY TRAINING

- Standard and emergency first aid
- H2S Alive
- Workplace Hazardous Materials Information System (WHMIS)
- Other health and safety training requirements to be determined by specific job requirements.



What competencies do I need?

Often, you're a handyperson; you have a thorough knowledge of mechanical systems, can quickly troubleshoot problems and you have skills and knowledge that include:



PATHWAYS



You could move into roles such as:

- Static Equipment Technician
- Rotating Equipment Technician
- Vibration Specialist
- Maintenance Coordinator

You could transfer your skills to:

- Forestry and logging
- Mining and quarrying
- Utilities, including renewable energy
- Heavy and civil engineering construction
- Wood product manufacturing
- Paper manufacturing
- Petroleum and coal product manufacturing
- Chemical manufacturing
- Primary metal manufacturing
- Rail transportation
- Water transportation



What can I expect?

Mechanical Technicians are typically employed in the oil and gas services sectors of the oil and gas industry. Some positions will have you working very closely with engineers. You're working in a shop environment, but often travel to remote locations to do repairs.

This occupation requires some shift work and you may stand for long periods of time, lifting heavy objects. You may work around high-pressure hydraulics and pneumatics systems.

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How can I learn more?

To find out more about the role of a Mechanical Technician and other related careers in the oil and gas industry, visit the Careers in Oil + Gas online tool at careersinoilandgas.com.

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