

SKILLED CRAFTSMAN

Skilled craftsmen install, service, monitor, troubleshoot and repair oil and natural gas industry equipment.

Typical Educational/Training Requirements: Range from specified technical course work to two-year college diploma.

Occupations

Automation Technician: Installs, maintains and troubleshoots equipment used to control and monitor wells, pipelines and compressors. High school diploma/GED required.

Construction Coordinator or Technician: Determines needs for construction of well sites or gathering facilities (roads, power supply, water management, right-of-way, pipelines, permits, etc.) and supervises contract crews engaged in those tasks. High school diploma/GED required; Associate's degree required.

Drilling Superintendent: Ensures that wells are drilled according to plan and notifies engineers or other field leaders of problems and recommended changes. Produces drilling reports. May supervise movement of drilling equipment. Manages contract crews engaged in drilling of oil and gas well. High school diploma/GED required; Associate's or Bachelor's degree preferred.

Electrical and Instrumentation Technician: Installs, maintains and troubleshoots electrical/electronic equipment used in oil and gas production processing and/or transportation. Associate's degree required.

Electronics Technician: Performs testing, troubleshooting, maintenance and repairs on the electronic and electro-mechanical equipment used to monitor and control mixing, metering and pumping equipment, typically focused on data acquisition and equipment automation functions. Associate's degree required.

Field Engineer (Cased-Hole): Ensure that the well was drilled and cased correctly and quality assures the data that was already acquired by running other tests downhole. Cased-hole engineers also perforate or put holes in the casing. Associate's degree required.

Field Engineer (Measurement While Drilling Engineers): MWD engineers and Directional Drillers steer the drill bits, sometimes horizontally, sometimes through multiple reservoirs to maximize the potential of a single well. Bachelor's or Associate's degree required.

Field Operations Leader: Manages an operational segment for a particular field area (production, gathering, pipeline, etc.). Bachelor's degree preferred.

Maintenance or Mechanical Technician (Mechanic): Installs, maintains and troubleshoots mechanical equipment. Associate's degree required.

Maintenance Technician (Diesel Mechanic): Performs maintenance and repairs on diesel-powered equipment. Associate's degree required.

Production Coordinator: Selects and negotiates with vendors to procure (buy) supplies needed for large-scale operations (drilling, production, etc.). Bachelor's degree required.

Technical Services Maintenance Coordinator: Supervises a group of field technicians. High school diploma/GED required; Associate's degree preferred.

