



Production Engineer 1

Job summary

The [Production Engineer](https://100hires.com/production-engineer-job-description.html) oversees and coordinates all aspects of site operations, ensuring an uninterrupted supply of products. Responsible for ensuring that all production, shipping, cost, quality, and safety goals are met. Reviews pit production schedules, determine workforce requirements, and monitors production to ensure customer requirements are met.

Responsibilities

Assist all Site Managers in planning, coordinating, and supervising mining activities including crew and equipment;
Establish and monitor mine and production plans; Maintain accurate cost and inventory control; Calculate and analyze all productivity and material data
Assist in the development and supervision of capital investment projects; Coordinate and supervise contractors including drilling, blasting, excavation, and portable crushing;
Maintain duties related to Mine and Occupational Safety & Health Act and Regulations for the mine site, including accident investigation and reporting, health and safety committee meetings, claims management, etc
Coordinate proper procurement of materials ensuring timely delivery and accuracy of requisitions
Maintain a diary for the site daily
Ensure that safety, compliance, and environmental requirements are followed within the department.

Requirements

Demonstrated good judgment and discretion.
Strong organizational skills with a focus on accuracy.
Able to follow established processes and/or document new processes.
Ability to work under pressure to meet critical deadlines all the while being detailed-oriented.
Excellent customer service skills and ability to function as part of a team.
Works cooperatively with other employees, customers, clients, and the public.
Able to handle multiple responsibilities at one time and must be able to deal effectively with people using a facilitative approach.
Excellent oral and written communication skills.
Strong leadership and demonstrated problem-solving skills and excellent time management and project management skills.

Production Engineer 2



Job summary

The [Production Engineer](https://100hires.com/production-engineer-job-description.html) oversees the operation of a production area in the Plant. They are responsible for the safe and successful operation of their area in support of the plant production goals. The [Production Engineer](https://100hires.com/production-engineer-job-description.html) must maintain the operating budget and seek to continually improve the safety and efficiency of their production area.

Responsibilities

- Provide safety leadership for the area including routine inspections and addressing issues quickly
- Lead operator training for technical and process responsibilities in the area
- Maintain effective and updated operating procedures
- Ensure compliance with all requirements of the Quality Management Systems for the area.
- Manage the operating budget for the area
- Work with Maintenance to coordinate preventative and emergency maintenance.
- Provide backup for the Area Supervisor
- Work with the Reliability Team to reduce unplanned downtime
- Investigate process improvements for the area to improve safety and productivity
- Evaluate needed capital improvements and work with Engineering to complete
- Assist the operator(s) with troubleshooting (quality, mechanical, process, etc.)
- Perform quality reviews to drive continual improvement
- Review process trends, quality data, and environmental data
- Routinely observe employee performance in the area for compliance with safety and procedural requirements
- Aptitude for problem-solving, effective decision making, experience in training others, and being effective at leading individuals and groups toward resolution of issues

Requirements

- A bachelor's degree in chemical or mechanical engineering
- Minimum 5 years experience in a manufacturing environment, 10 years experience preferred
- The ability to manage multiple projects simultaneously and use problem-solving tools
- Ability to communicate effectively through verbal and electronic means
- Knowledge of chemical processes, equipment, and manufacturing technologies including mechanical conveying, piping systems, pumps, and instrumentation
- Knowledge of maintenance processes including mechanical, electrical, and instrumentation
- Knowledge of safety, health, and environmental regulations

This role is not eligible for employment visa sponsorship. The successful candidate must not now, or in the future,



require sponsorship to work in the US.

Production Engineer 3

Job summary

The [Production Engineer](https://100hires.com/production-engineer-job-description.html) is responsible for the operational support of the department. The [Production Engineer](https://100hires.com/production-engineer-job-description.html) focuses on rapidly resolving manufacturing problems, enabling manufacturing to meet production goals. As a member of the operations team, the [Production Engineer](https://100hires.com/production-engineer-job-description.html) provides on-shift technical knowledge and leadership.

Responsibilities

- Reducing manufacturing events, user interventions, and batch record alerts
- Identifying and developing opportunities to reduce cycle time, error-proof operations, and eliminate waste
- Performing operational assessments to ensure proper processes, procedures, tools, and training are in place
- Investigating and resolving issues assigned from the departmental issues log
- Supporting Process Unit Team projects and Continuous Improvement efforts
- Leading Knowledge Transfer training with manufacturing staff
- Coaching manufacturing staff while partnering with them to resolve technical issues
- Developing troubleshooting guides for common problems
- Sharing process knowledge with colleagues across shift

Requirements

- Bachelor's degree in an Engineering discipline required. Some related experience is preferred.
- Related work experience within a technical or GMP environment is preferred.
- Knowledge of basic engineering principles in various engineering disciplines
- Ability to solve routine engineering problems with minimal assistance
- Ability to discuss normally encountered technical issues, both verbally and in written form
- Ability to work as a collaborative team member
- Self-driven individual that requires minimal supervision
- Initial training in concepts of Lean Manufacturing and Six Sigma quality techniques is preferred
- Ability to work 12-hour shifts, including nights, weekends, and holidays in support of a 24 x 7 manufacturing operation
- Ability to work in a clean room environment
- Ability to wear personal protective equipment (such as hard hats, safety shoes, safety glasses, ear plugs) due to safety requirements in specific areas



Production Engineer 4

Job summary

We are seeking a highly motivated Production Engineer. The ideal candidate is energized by both the thought of processing data and delivering it promptly to systems as well as modernizing legacy tools for data processing. This individual will work with a team of collaborative individuals in operations and will be responsible for delivering data to production systems on a daily, weekly, and monthly cadence.

Responsibilities

As a Production Engineer, you support the technical operations of production systems.

You will troubleshoot data issues, manually process data, test production functionality, and communicate with external partners.

Your role also includes introductory elements of software development, data analysis, and project management.

Requirements

Prior experience with production systems and processing data - 2+ years preferred

Required: Ability to multi-task in a dynamic and interrupt-driven environment

Required: Ability to learn and grow technical skills with the application, system and service technologies as they evolve over time

Required: Experience with word and data processing software like MS Word and Excel

Desired: Understanding of relational databases, data analysis, and SQL

Desired: Prior experience with a high-level language (like Python) as well as SQL

Production Engineer 5

Job summary

The [Production Engineer](https://100hires.com/production-engineer-job-description.html) is responsible for partnering with cross-functional teams in the implementation of productivity improvement programs to optimize production.

Responsibilities

Ensures EHS compliance and continuous improvement in EHS performance

Provides technical support for Production troubleshooting, problem-solving, and root-cause analysis of process issues

Provides training on and leads advanced troubleshooting and problem-solving processes



Works collaboratively with Quality on chemistry-related issues & method formulation improvements

Works cooperatively with site engineering to develop project scopes and process engineering packages for new installations and retrofit of facilities

Provides technical input for maintenance of raw material usage standards (SAP bill of materials); drives analysis and continuous improvement of raw material utilization (yield performance).

Provides analysis of equipment time utilization (OEE) and drives continuous improvement.

Responsible for functional safety execution for assigned processes including process hazard analysis (PHA), Layers of Protection Analysis (LOPA), Management of Change (MOC), Pre-Start-up Safety Reviews (PSSR), and completion of Corrective and Preventative Actions (CAPA).

Provide technical support to basic process control systems (DCS) to optimize process performance and functionality for the operator. Activities may include loop-tuning, alarm management, and small configuration tasks.

Assist the production department with the creation and maintenance of standard operating procedures (SOPs)

Requirements

BS of Science Degree in Chemical Engineering, or demonstrated equivalency

0 - 5 years of engineering experience in a chemical plant

Experience in batch, semi-batch, and continuous processing & controls

Chemical engineering knowledge including, but not limited to, an understanding of fluid transport, heat transfer, filtration, reaction kinetics, general process equipment

High level of initiative and energy

Production Engineer 6

Job summary

The [Production Engineer](https://100hires.com/production-engineer-job-description.html) plans designs and implements production processes to ensure new product designs can be manufactured and maintains the molding processes in production.

Responsibilities

Provides day-to-day technical support for the processes engineering in the plant.

Supports Program Management generated project macro-schedules with detailed engineering micro-schedules to ensure that all project milestones are tracked and completed on time.

Coordinates the design and purchase of new equipment and manages installation and start-up

Supports Manufacturing in the purchase, installation, and start-up of new equipment, as required.

Identifies Value Engineering/Value Analysis (VE/VA) ideas and standard parts to be implemented into new product



designs.

Leads and participates in continuous improvement activities targeted to facilitate improvements in quality, productivity, and safety; and reductions in scrap and machine downtime.

Documents the process on the set-up sheet and maintains the project book with the proper documents.

Develops and updates/improves check sheets for all production equipment for preventative maintenance and machine condition.

Establishes and continually improves SOS procedures for processes, and provides training on the processes to molding personnel.

Performs other duties as assigned

Requirements

Bachelor's Degree in Engineering, Industrial Technology, or a related discipline

2 to 4 years of related manufacturing experience

Analytical and problem solving skills

Organizational and planning skills

Computer skills in standard business software (including MS Office programs)

Written and verbal communications and presentation skills

Interpersonal skills — to confidently interact with individuals at all levels of authority.

Production Engineer 7

Job summary

The [Production Engineer](https://100hires.com/production-engineer-job-description.html) will lead day-to-day operational activities to ensure that all customer requirements are met as well as lead feedstock planning, inventory management and scheduling activities supporting the High Purity production area. The individual will also provide engineering resources to the plant to assist in troubleshooting, process optimization, and development and execution of small capital projects.

Responsibilities

To supervise the daily activities of the production department to ensure on-time delivery of products to the customer

To partner with supply chain/logistics functions to plan and execute the delivery schedule to maintain desired inventory levels and proper scheduling of capacity utilization

To ensure feedstock materials, work-in-process and/or product sampling is completed, tested, and verified to meet specifications

To ensure maintenance of equipment is scheduled by PM practices in conjunction with the production schedule



To perform monthly inventory verifications, conduct transactions in SAP documenting activities with production, raw materials, and packaging supplies

To review current processes, understand gaps and prioritize continuous improvement/optimization efforts

Maintains compliance with regulatory and corporate requirements, including OSHA, Process Safety Management, NYDEC, EPA, Mandatory Safety Standards, and others.

To lead and support site activities for Process Hazards Analysis, Management of Change, Pre-Startup Safety Reviews, Incident Investigation, and audits.

To troubleshoot process safety, capacity, efficiency, and operability issues by determining the nature of the issue and contributing to finding solutions

To identify and develop process changes to enhance operating reliability and product quality

To troubleshoot quality issues by responding to customers' issues

To assist with developing annual Capital spending budgets, as well as execution of small capital projects

Requirements

BS Chemical Engineering preferred, other technical degrees will be considered

5 + years of experience in Chemical Manufacturing including 1-2 yrs. supervisory experience

Process Safety Management and regulatory experience are preferred

Experience with high-purity electronic chemicals is a plus

Familiarity with SAP is a plus

A strong technical background is required

Production Engineer 8

Job summary

The [Production Engineer](https://100hires.com/production-engineer-job-description.html) will provide competent, professional engineering support for the Upstream team. Responsibilities will include identifying and implementing improvements in the following areas: safety, environmental compliance, process reliability, production optimization, artificial lift, well interventions, process troubleshooting, and cost reduction.

Responsibilities

Artificial lift design, installation, and optimization

Plan, design and provide engineering oversight for well interventions and workovers

Set production rates estimates

Evaluate current production activities and make recommendations for improvement

Troubleshoots process operating problems and determine the nature of the operating problem and contributes to finding



solutions

Lead incident investigations and identify the root cause

Monitor and optimize LOE (Lift Operating Expenses)

Process the timely closure of all assigned action items

Requirements

B.S. in Petroleum Engineering, or related field of study

Minimum 3 years experience as a [Production Engineer](https://100hires.com/production-engineer-job-description.html) in the oil and gas/upstream industry

Must have recent experience drilling and completing wells in an HPHT horizontal gas play

Successful track record of working with limited resources and short deadlines

Highly self-sufficient with an entrepreneurial spirit

Excellent interpersonal and communications skills (oral and written), and able to interact across all levels of the organization

Must have strong written and verbal skills

Production Engineer 9

Job summary

The [Production Engineer](https://100hires.com/production-engineer-job-description.html) will work as a technical resource for operations to optimize plant operations while enabling the safe and efficient production of quality products.

Responsibilities

Support all aspects of the assigned production unit(s).

Provide oversight and direction for unit performance (as measured by the OEE and material yields).

Develop process improvements to effectively utilize equipment, material, and resource to maximize unit profitability.

Diagnose and document root causes of deviations in the unit and improve operating discipline.

Earn the respect and trust of the operations team through excellent problem-solving skills and technical expertise.

Ensure compliance with plant operating permits.

Implement cost reduction initiatives while maintaining high-quality standards.

Investigate problems, analyze root causes, and drive solutions.

Provide training and guidance to team members to accomplish production goals.

Respond urgently to unit issues and emergencies. Act as a unit technical expert during unplanned events and drive implementation of effective corrective and preventative actions.



Provide technical services and operating support for special plant needs, for example, unit start-up, project commissioning, process, and/or product troubleshooting.

Provide support for the development and improvement of unit-specific Standard Operating Procedures (SOPs) and all other technical documents requiring engineering input.

Identify and lead engineering Management of Change (MOCs) within the assigned production unit.

Other duties and assignments as directed by manager.

Requirements

Bachelor's degree in chemical engineering and 4+ years experience, or Master's degree in chemical engineering.

Experience with design principles and project implementation.

Process and product troubleshooting experience.

Must be able to climb stairs and ladders

Must be able to read, write and communicate in English

Good computer skills

Must be able to wear steel-toed shoes and a hard hat.

Production Engineer 10

Job summary

The [Production Engineer](https://100hires.com/production-engineer-job-description.html) is responsible for analyzing production processes, equipment, utilities, waste treatment facilities, and infrastructure to improve safety, quality, and productivity by making changes to the equipment design or operational procedures.

Responsibilities

Monitor or conduct observation and analysis of daily unit production to determine the improvements needed

Interface collaboratively with other technology resources in the organization to bring appropriate resources into the unit to resolve problems beyond the scope of the production engineering position

Work closely with operations personnel to identify and resolve issues impacting operations

Assist in training operators to maximize the safety, quality, and productivity of the process

Analyze work study data and equipment specifications to establish time and production standards

Apply mathematical analysis to determine the validity and reliability of sampling and work-study statistics

Develop Standard Operating Procedures and training criteria for new and modified equipment to ensure safe and efficient operation

Coordinate efforts with engineering to design and install new equipment

Aid in the commissioning of new equipment, including writing procedures and training



Generate various production reports at intervals for management and other company divisions

Provide input into raw material inventory management, including RM specifications

Design and perform unit process experiments to optimize operations

Be the key resource for equipment, safety, and production-related issues

Requirements

Requires a minimum of a Bachelor's Degree in Chemical Engineering or a related field and one (1) to three (3) years of related experience; or an equivalent combination of education and experience

Proficiency with Microsoft Office programs

Working knowledge of Lean, Six Sigma tools, Statistical Analysis, and SPC Tools is desirable

Working knowledge of other engineering disciplines

Must be able to plan and schedule individual workload without close supervision

Ability to work with cross-functional teams and engage/gain the respect of the hourly workforce

Able to make a clear and convincing presentation of ideas in written and verbal forms

Able to track a multitude of details without losing sight of the overall end goal

Active listening skills required

Ability to envision the desired end state and put activities in place to move the organization there

Must understand the long-term needs of the customers, both internal and external, and be driven to meet those needs