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# Example of Senior Process Engineer Job Description

Our company is looking to fill the role of senior process engineer. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

## Responsibilities for senior process engineer

* Support manufacturing process development and validation for new product introductions
* Develop mass and energy balances
* Input to capacity studies
* Carryout engineering design calculations and equipment sizing calculations
* Prepare technical analysis of process equipment including technical details and duties
* Prepare well written project reports
* Providing on the floor technical support and troubleshooting
* Provide input to the Process Control Strategy and Operational Control Strategy
* Identifying and driving implementation of improvements to maximize throughput and capacity utilization
* Lead the proposal, initiation, testing and implementation of minor proposed changes to purification processes

## Qualifications for senior process engineer

* Six Sigma Green or Black Belt certification or equivalent knowledge, or Lean Manufacturing experience
* Advanced knowledge of local codes and standards, generally accepted Good Engineering Practice, for design, sizing, and operation of Chemical production facilities
* Ability to produce process design documents and control system interlock and functional design specifications
* Must be a team player with leadership abilities
* Self-starter with the ability to perform well under pressure and continuously changing priorities
* Minimum 5+ years’ experience in plastics, chemical or technology industry