Example of Process Design Engineer Job Description

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Our innovative and growing company is hiring for a process design engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for process design engineer

- Provide the input required (including supporting calculations) to prepare project related documents such as but not limited to, equipment/pump sizing, mass balance, PFD's, and P&ID's
- Assist in the timely preparation of Process description and control descriptions
- Assist with the process/trouble shooting sections of Operation and Maintenance manuals
- Finalization of Technical package for Engineering after the project is awarded
- Participate in technical peer risk review within the design review team for projects, to ensure design optimization / value engineering
- Coordinate Pilot test plans and review/approve operating changes
- Review proposals prepared by Pilot Project Manager
- Working with a team of experts, drive product quality and reliability issues to root cause and corrective action using a disciplined, data-driven approach
- Draft appropriate technical documentation including engineering bulletins/fact sheets
- Responsible for performing other work assignments as required by the supervisor

Qualifications for process design engineer

- Applies process design criteria, guidelines and contract requirements to process design work

- Active membership IChemE, ISPE, Parenteral Society, EI
- BS in mechanical engineering discipline required (i.e., seeking Mechanical Process SME with professional engineering license)
- Thorough understanding of chemical engineering principles and application
- Good understanding of Unit operations