



Example of Process Integration Engineer Job Description

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Our growing company is looking for a process integration 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 integration engineer

- Lead technical investigations and module development, including vehicle selection, to meet performance metrics for sub 20 nm devices
- Design, manage and execute experiments run in the R&D Fab
- Develop, maintain and improve process module including design rules, structural and electrical specifications, help develop and document alternative integration flows
- Set goals and objectives for the local team, and assist in the evaluation of the team against these metrics
- Track and disposition experimental material in the Fab
- Establish and maintain high quality technical reporting, documentation, methodologies for process transfer, and external journal and conference publication
- Drive improvements in FEoL Defectivity yield and manufacturability across the FEoL
- Lead cross functional teams to address and solve complex issues
- Interact directly with customers, providing technical guidance and reports
- Develop and implement technological enhancements to existing baseline flows to meet our customer's needs and our internal goals (cost reduction, synchronization etc)

Qualifications for process integration engineer

- Experience in process integration for new memory technologies from development through transfer into production
- Basic Engineering Design package and detail engineering reviews
- Value Engineering and optimisation techniques
- Broad and in-depth knowledge of silicon processing techniques at 90nm node or below
- Knowledge of MEMs style silicon processing an advantage