Our company is growing rapidly and is hiring for a process integration engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for process integration engineer

- Model Based Problem solving knowledge
- Integrate various processes and develop wafer fabrication process flows for new semiconductor product introductions
- Work with other PI engineers to define pixel architectures and corresponding process integration schemes
- Communicating information effectively to multiple teams across various time zones
- Collaborate with partner engineers and participate in joint research and development of advanced BEOL/MOL integrated modules for 7nm technologies and beyond
- Drive research and development of advanced BEOL/MOL integration by planning, executing and analyzing experiments in Albany NanoTech research facility
- Coordinate with unit process teams to define required processes and their integration to meet target specifications
- Establish and maintain high quality technical reporting, documentation, methodologies for process transfer, generation of intellectual property, and external journal and conference publication
- Training with the new operators
- Make the necessary Non-Conforming Product report for all boards found in the area "Awaiting for decision of repair engineer"- good boards, sent to

Qualifications for process integration engineer

- 8 years of experience working in the areas of semiconductor technology, semiconductor device physics, and memory
- You should have a solid working knowledge of modern CMOS process integration, with some exposure to Front End of Line (FEoL) integration, Defectivity Inspection methodologies and Yield Engineering
- Solid foundation in statistics, data analysis techniques and tools (JMP, Exensio)
- Exposure to technology transfer methods, external customer interactions and multi-culture working environments would be very beneficial
- In addition to technical proficiency, all candidates must have proven project management, peer leadership skills the interpersonal skills required to work in high-performance cross-functional teams
- The ability to work independently is a prerequisite