



Global Communication Semiconductors, LLC

Corporate & Foundry
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Sr. Process Engineer

Job Req. #0706
Department: Manufacturing Engineering
Status: Full-Time / Salaried
Shift: Day

Job Description

The Sr. Process Engineer will be primarily focusing on EBL and photolithography process improvements in addition to designing and implementing processes for new requirements and products. The Sr. Process Engineer may be asked to lead several engineers and technicians to drive multiple improvement projects simultaneously. This engineer is heavily involved with development of new products, especially 250 nm and 150 nm compound semiconductor products, in multiple materials systems: GaAs, GaN, InP, SiC, etc.

- Oversees manufacturing process development and improvement issues before and after photolithography steps and in the etch steps.
- Interfaces with and contributes to improvements in all areas of GCS's compound semiconductor FAB. Key areas of focus will be Statistical Process Control (SPC), Design of Experiments (DOE), Failure Modes and Effects Analysis (FMEA) and training.
- Releases tool/process to production.
- Trains and certifies operators to perform related processes.
- Writes and releases process procedures and work instructions.
- Works with different groups within the company including production, integration, management, equipment/facilities, and peer engineers.
- Works with vendors and contractors in a professional manner.

Job Requirements

- PhD degree in Physics or Science with 3+ years of EBL work experience including jobfile creation, simulation, developments, design rule and CAD files
- Semiconductor wafer processing experience such as Photolithography, Dry/Wet etching, Metallization/Liftoff, dielectric film depositions are preferred
- Understand CAD software