



Global Communication Semiconductors, LLC

Corporate & Foundry

23155 Kashiwa Court, Torrance, CA. 90505

Telephone: 310-530-7274 Fax: 310-517-8200

Website: www.gcsincorp.com

Job Title: **Process Engineer** – Specialized in optical and/or e-beam lithography
Job Req: #0580
Department: Manufacturing Engineering
Status: Full-Time/Exempt
Shift: 2nd or 3rd Shift

Job Description

Supports pre-production, develops new processes, installs new processes, qualifies new processes, implements improvements into production flow, and handles details of ramping up of chosen products.

Key areas of focus:

- Purchasing equipment (acceptance and qualification of the process)
- If EBL, must be able to handle from the layout data to e-beam writing (handle resist)
- Collecting process data to define process windows and center the processes on new products; establishing new design rules; evaluation of yields; analysis of failures as the product goes through the transition phase from development to production.

Job Requirements

Interfaces with and is able to follow/move the lots through all areas of GCS's compound semiconductor FAB.

- Minimum of BS in science or engineering preferred
- Minimum of 3-5 years of work experience in related field
- Hands-on experience in semiconductor processing and metrology equipment, and knowledge of processes
- Familiar with the process flows of various starting material/process/products
- Ability to move/process the wafers in GCS fab
- Collect data and analyze
- Experience with statistical analysis and design of experiments
- Process optimization/qualification experience
- Excellent written and communication skills
- Must be well organized and detail oriented
- Works well with others
- Will be different depending on the candidate – optical or e-beam lithography