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# Example of Failure Analysis Job Description

Our company is hiring for a failure analysis. 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 failure analysis

* Meticulously record steps taken in the investigation and enter into our investigation tracking system
* Pair Electrical Engineering skills with process/workflow optimization techniques to create improved root cause determinations
* Write down and establish standards of work and work instructions
* Develop test fixtures to improve measurement fidelity and throughput
* Detect patterns or increases in failures for early CAPA notification
* Document systemic failures with clear specific details for actionable engineering evaluation and CAPA documentation

## Qualifications for failure analysis

* Responsible for communication across the whole organization regarding FA topics
* Engineering, Physics, or Science BS degree with semiconductor emphasis
* 5+ years of experience in Failure Analysis, Product Engineering, or Design
* Ability to use a curve tracer and optical microscope
* Experience operating FA equipment, SEM, FIB, X-Ray
* Fab and/or assembly process experience a plus