



## **Co-op Failure Analysis Engineer – West Jordan, UT**

The expectation for this position is approximately 15-20 hours per week during the school year, with opportunities for additional hours during the summer months. Schedule is flexible during daytime hours, Monday-Friday.

### **Roles and Responsibilities include:**

The Electrical Failure Analysis Co-Op performs analysis of failed wafers, die, and packaged electrical parts. This analysis is completed by using equipment and materials in the Failure Analysis Lab and in the cleanroom fabrication area, such as:

- Optical Microscopes
- Scanning Electron Microscopes
- Electrical Probing Stations
- Parametric Analyzers
- Photon Emission Microscope
- Sample grinding and polishing equipment
- Acids and solvents for sample deprocessing
- Focused Ion Beam (FIB) Equipment

Initial projects for this position will involve the development of electrical testing methods and device characterization of discrete MOSFET devices using parametric analyzers (Keithley 4200 and HP4156) and electrical probe stations. Experience with this type of equipment is strongly preferred.

### **Education:**

CURRENTLY enrolled in school working toward a BS or MS Degree in Electrical Engineering or related discipline. Junior year standing or above is preferred.

### **Requirements:**

- Hands-on problem solving ability.
- Strong written and verbal communication skills. Ability to write technical reports.
- Ability to work in a team environment and to work independently.
- Proficiency in MS Office applications (Word, Excel, PowerPoint)
- Self motivated and detail oriented.
- Experience with parametric analyzers, electronics, or semiconductor device physics is beneficial.

**Physical Requirements:** This position requires that work be performed in both an office and clean room environment. Candidates must be able to meet those requirements noted in Clean Room Procedures specification MM-4557.

*This position is not open to third party vendors*

**To Apply:** send your resume to

[http://fairchildsemi-careers.com/fairchild/jobboard/JobDetails.aspx?\\_ID=\\*53C0B39B044242B0](http://fairchildsemi-careers.com/fairchild/jobboard/JobDetails.aspx?_ID=*53C0B39B044242B0)

or email to **Internships@FairchildSemi.com**

