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## **“From Sand to Silicon” – An Intro’ to IC Design & Processing**

### **Course Overview**

Attendees will be taken through the complete manufacturing flow for a semiconductor device, from the design stage through to assembled, tested components. They will gain a thorough understanding of the key processing steps and the most common challenges in all areas of the manufacturing supply chain, including cost considerations as well as technology.

### **What’s Covered**

Basic Electronics; Fundamentals of Silicon Processing; IC Design & Layout; A typical advanced IC process flow: Assembly and Packaging; Test; The Economics of IC’s (The Fabless Model, Yield, Quality & Reliability)

### **Who Should Attend**

Manufacturing Engineers  
IC Design Engineers  
Quality & Reliability Engineers  
Product/Test Engineers  
Failure Analysis/Lab Personnel

### **Course Duration**

2 days