

R&D Senior Design Engineer at Alpha & Omega Semiconductor

Job Title: Senior Design Engineer

Job Site: Sunnyvale, CA

As a Device Design Engineer, you will work in a dynamic team environment at AOS headquarter located in Sunnyvale, CA. The main responsibility of this position is to work with marketing/process integration/product engineering group to develop silicon power device technology.

Job Description:

- Power device structure and process simulation with TCAD tools including Tsuprem4, Medici, and Sentaurus.
- Device characterization with LCR meter, curve tracer, FET test, etc.
- Layout design for power devices with L-edit.
- Work closely with the marketing, packaging, product engineering, and integration groups to design, develop, and launch new products and next generation platforms.

Requirements:

- Masters or PhD in Electrical Engineering or related engineering degree
- Strong power device physics including VDMOS, trench DMOS and SGT device.
- Good knowledge of semiconductor process such as diffusion, implantation and etching.
- Ability to work in team environment and participates in multi-discipline development projects.
- Hands on experience with laboratory equipment and characterization of semiconductors and their applications.
- Basic knowledge of basic power conversion topologies, such as DC/DC, Flyback, PFC, and LLC topologies.

Application link

[Senior Design Engineer - Sunnyvale, CA - Alpha & Omega Semiconductor Jobs \(applicantpro.com\)](https://www.applicantpro.com/jobs/alpha-omega-semiconductor/senior-design-engineer-sunnyvale-ca)