

## Mixed-Signal IC Design Engineer - Entry Level

**Job Description:** Senseker Engineering Inc. is looking for an entry level mixed-signal integrated circuit (IC) design engineer to contribute to the design of digital image sensors and related integrated circuits. Duties will include digital and analog IC design, simulation, layout and verification, Verilog/Verilog-A behavioral modeling, contributing novel ideas to the company's IP portfolio, interfacing with customers, keeping up with the state-of-the art, and maintaining good written documentation. The candidate should be comfortable working on a broad range of topics in a relaxed small business environment.

**Required Education:** Master's degree in electrical engineering with emphasis in mixed-signal IC design.

**Preferred Education:** Ph.D. in electrical engineering with emphasis in image sensors.

### Required Attributes:

- US person status **required** for this position, pursuant to the terms of government contracts with Senseker\*
- CMOS mixed-signal IC design, simulation, and layout
- Verilog, Verilog-A/Verilog-AMS modeling
- Strong interest in integrated circuits and design techniques
- Excellent teamwork skills, good written and verbal communication and a self-driven approach to work

### Desired Attributes:

- Practical design experience with digital converters (ADCs/DACs), ADC digital correction, SerDes, and image sensing readout ICs
- Solid understanding of solid-state device physics
- Image sensor characterization and noise analysis
- Comfortable with multiple IC design CAD tools and foundry PDKs
- Experience with Siemens Tanner / Calibre design flow

**Job Type and Location:** Full-time in Santa Barbara, CA, USA

**Benefits:** Competitive compensation, development opportunity, flexible schedule, relaxed working environment, located in a great beachside community.

Submit your resume at [www.senseker.com](http://www.senseker.com) or email it to [careers@senseker.com](mailto:careers@senseker.com)

*\*This position requires work on projects which are protected under US ITAR laws, consequently, only US Persons will be considered for this position by law. For this purpose, the term "US person" means an individual who is a citizen of the United States, a lawful permanent resident alien of the US (e.g., a "Green Card" holder), a refugee, or someone in the US as a protected political asylee, or under amnesty.*

*Senseker Engineering Inc. is an equal opportunity employer and considers qualified applications for employment without regard to sexual orientation, gender identity, gender expression, race, color, sex, creed, religion, national origin, age, disability, veteran status, or any other protected class.*