

## Analog IC Design Engineer - Entry Level

**Job Description:** Senseker Engineering Inc. is looking for an entry level analog integrated circuit (IC) design engineer to contribute to the design of digital image sensors and related integrated circuits. Duties will include analog IC design, simulation, layout and verification, analog circuit noise analysis and optimization, solid-state physics problem solving, 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 analog 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 IC design, simulation, and layout of amplifiers, switched-capacitor filters, converters and I/O
- Solid understanding of solid-state device physics
- Analog temporal and spatial circuit noise analysis
- 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 ADCs, PLLs, and image sensing readout ICs
- Verilog-A/Verilog-AMS behavioral modeling
- Understanding of low (< 60 K) and high (> 85 C) temperature effects and CMOS radiation tolerance
- Working knowledge of IC test and data 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.*