



2 April 2012

EMPLOYMENT OPPORTUNITY ANNOUNCEMENT

ELECTRICAL DESIGN ENGINEER

JOB DESCRIPTION

Position Title: Electrical Design Engineer
Department: Research and Development
Reports To: Engineering Manager

General Function: Design innovative electronic instruments to measure physical processes and parameters. The successful applicant will achieve system-level objectives by completing component-level designs of analog and digital electronics and embedded software.

Requirements: Applicants must have completed a four-year degree in electrical engineering, or equivalent, and have experience designing high-performance electronic instruments. Assigned responsibilities and compensation will be commensurate with experience level. Demonstrated interest and expertise developing any or all of the following are desired: analog circuitry and signal conditioning; digital circuitry, including microcontrollers, field-programmable gate arrays, and complex programmable logic circuits; real-time operating systems; digital signal processing; power supplies; and communication hardware and software. This position focuses on electronic design, and applicants must have an understanding of mechanical design elements as well. Applicants with an enthusiastic interest in physical and environmental processes and in designing instruments to quantify those processes are encouraged to apply. Applicants must be self-motivated, capable of managing their own activities, and able to work effectively within a design team that includes other engineers as well as marketing and production personnel.

Responsibilities:

- Help specify system-level measurement objectives. Understand measurement goals and balance those goals against realistic technical possibilities.
- Complete detailed component-level electronic designs, with a strong emphasis on high-performance analog and digital hardware and embedded software to implement creative measurement techniques and communication methods.
- Define and implement procedures to quantify instrument performance during prototype and preproduction phases. This includes analyzing experimental data to give meaningful quantitative conclusions.
- Develop and document procedures for manufacturing, testing, and calibrating electronic designs.
- Provide technical support for Campbell Scientific production personnel, marketing personnel, and customers.
- Perform other tasks assigned by supervisor.

This is a full-time, salaried position offering competitive compensation, with opportunity for advancement and increased responsibility in a stable company with excellent employee retention. Employee benefits include paid medical and dental insurance and retirement. If you are interested and meet the above qualifications, please send a current resume and a completed Campbell Scientific *application for employment* (available at www.campbellsci.com), to Campbell Scientific, Inc., 815 West 1800 North, Logan UT 84321-1784. Women and minorities are encouraged to apply. Campbell Scientific, Inc., is an EEO/AA company.