

Engineering Laboratory Manager

The Department of Mechanical Engineering at Colorado State University is seeking an instrumentation engineer to provide long-term consistent, professional support of our instructional laboratories (materials science and engineering, dynamics and vibrations, and mechatronics). This full-time, 12 month academic position directly reports to the Department Head, and will collaborate with faculty, graduate teaching assistants, and undergraduate students to design, implement, troubleshoot, maintain, and sustain our undergraduate laboratories.

The Department's undergraduate program is the largest in the state with growth expected to continue. We are fortunate in working with some of the best students in the university, providing our students with strong faculty and staff support services operating in a collegial and professional environment. The department has 22 faculty and 5 instructors and offers an ABET accredited BSME degree along with the MS, MEng and PhD degrees in a wide range of research areas.

Position Requirements

1. BS in mechanical or closely related engineering discipline. MS and PhD preferred.
2. Three years relevant industry or academic experience in an instrumentation-related laboratory (eg. metrology, structures, materials, robotics...). Preference given to candidates with five or more years of experience.
3. Practicing knowledge of LabView. Knowledge of MatLab and Simulink desirable.
4. Experience with normal office software (spreadsheets, email, word processing...).
5. Experience with data loggers, sensors (acquisition, installation, application, calibration, recording), controls, experimental methods, statistical data processing, and experimental techniques.

Duties and Responsibilities:

The successful applicant will collaborate with our faculty and students to:

1. evaluate status of our undergraduate laboratories – apparatus, experiments, infrastructure;
2. design and implement new apparatus, experiments, control software and GUI's, infrastructure;
3. maintain and upgrade/replace laboratory equipment and support infrastructure as necessary;
4. develop written laboratory practices, protocols and lab manuals;
5. participate in our ABET undergraduate mechanical engineering accreditation;
6. write, debug, and implement control software (eg. Labview);
7. instruct students in laboratory safety, processes, hardware, software and experimental process; and
8. coordinate training, tracking and disposal of hazardous waste.

Apply online at: <http://www.engr.colostate.edu/me/instructor> by full consideration deadline: January 17, 2012.

Upload as one document: cover letter that addresses Position Requirements by number, resume, and contact information of three professional references.

Colorado State University is committed to providing a safe and productive learning and living community. To achieve that goal, we conduct background investigations for all final candidates being considered for employment. Background checks may include, but are not limited to, criminal history, national sex offender search and motor vehicle history.

Colorado State University does not discriminate on the basis of race, age, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, or gender identity or expression. Colorado State University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State laws, regulations, and executive orders regarding non-discrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services.