




## Graduate Summer Intern - Fire Protection Engineering

[Apply](#) Golden, CO Full time Posted 4 Days Ago R11963

### Posting Title

Graduate Summer Intern - Fire Protection Engineering

### Location

CO - Golden

### Position Type

Intern (Fixed Term)

### Hours Per Week

40

### Working at NREL

The National Renewable Energy Laboratory (NREL), located at the foothills of the Rocky Mountains in Golden, Colorado is the nation's primary laboratory for research and development of renewable energy and energy efficiency technologies.

From day one at NREL, you'll connect with coworkers driven by the same mission to save the planet. By joining an organization that values a supportive, inclusive, and flexible work environment, you'll have the opportunity to engage through our ten employee resource groups, numerous employee-driven clubs, and learning and professional development classes.

NREL supports inclusive, diverse, and unbiased hiring practices that promote creativity and innovation. By collaborating with organizations that focus on diverse talent pools, reaching out to underrepresented

demographics, and providing an inclusive application and interview process, our Talent Acquisition team aims to hear all voices equally. We strive to attract a highly diverse workforce and create a culture where every employee feels welcomed and respected and they can be their authentic selves.

Our planet needs us! Learn about NREL's critical objectives, and [see how NREL is focused on saving the planet.](#)

**Note:** Research suggests that potential job seekers may self-select out of opportunities if they don't meet 100% of the job requirements. We encourage anyone who is interested in this opportunity to apply. We seek dedicated people who believe they have the skills and ambition to succeed at NREL to apply for this role.

## Job Description

NREL has an opening for a Fire Protection Engineering Intern. This position will support the Fire Protection Program within the Environment, Safety, Health, & Quality Office. This position will report to the Fire Protection AHJ and will address site wide fire protection engineering activities. Key responsibilities include:

- Assist Fire Protection Team in reviewing and updating Fire Protection Assessment reports, under supervision of Fire Protection Engineers.
- Assist Fire Protection Engineers during building fire inspections.
- Develop pre-incident plans, under direction of fire protection engineer, for NREL facilities.
- Field validation the current status of open fire protection Findings.
- Perform code research related to existing fire protection Findings.
- Perform sound level measurements of fire alarm system. Develop maps showing audibility levels throughout the building.
- Contribute to the development and implementation of NREL's fire protection program in accordance with DOE orders and standards, applicable codes, and NFPA standards.
- Apply sound fire protection engineering principles to assist in researchers in accomplishing research efforts.
- Assist in establishing, modifying, and overseeing fire protection program policies and procedures to support implementation of DOE O 420.1C and other applicable codes and standards.
- Assist in development of policies and procedures for inspection, testing, and maintenance of required fire and life safety systems (fire protection systems, fire barriers, emergency lighting, etc.)
- In collaboration with a fire protection engineer, conduct reviews of fire protection drawings and calculations (including but not limited to fire sprinkler systems, fire pumps, storage tanks, special extinguishing systems and fire alarm systems).
- Participate in project management for new construction activities as it pertains to fire and life safety. This includes plan review, team meetings, inspections, and commissioning.
- Interface diplomatically with a wide range of staff including scientific researchers, management, administrative, safety personnel, and external stakeholders.

## Basic Qualifications

Minimum of a 3.0 cumulative grade point average.

**Undergraduate:** Must be enrolled as a full-time student in a bachelor's degree program from an accredited institution.

**Post Undergraduate:** Earned a bachelor's degree within the past 12 months. Eligible for an internship period of up to one year.

Graduate: Must be enrolled as a full-time student in a master's degree program from an accredited institution.

Post Graduate: Earned a master's degree within the past 12 months. Eligible for an internship period of up to one year.

Graduate + PhD: Completed master's degree and enrolled as PhD student from an accredited institution.

Please Note:

- Applicants are responsible for uploading official or unofficial school transcripts, as part of the application process.
- If selected for position, a letter of recommendation will be required as part of the hiring process.
- Must meet educational requirements prior to employment start date.

**\* Must meet educational requirements prior to employment start date.**

## Additional Required Qualifications

### Preferred Qualifications

- Enrollment in a Fire Protection Engineering program, or a related engineering discipline, with a desire to learn about fire protection

### Job Application Submission Window

The anticipated closing window for application submission is up to 30 days and may be extended as needed.

### Annual Salary Range (based on full-time 40 hours per week)

Job Profile: / Annual Salary Range: \$42,700 - \$68,300

NREL takes into consideration a candidate's education, training, and experience, expected quality and quantity of work, required travel (if any), external market and internal value, including seniority and merit systems, and internal pay alignment when determining the salary level for potential new employees. In compliance with the Colorado Equal Pay for Equal Work Act, a potential new employee's salary history will not be used in compensation decisions.

### Benefits Summary

Benefits include medical, dental, and vision insurance; 403(b) Employee Savings Plan with employer match\*; and sick leave (where required by law). NREL employees may be eligible for, but are not guaranteed, performance-, merit-, and achievement- based awards that include a monetary component. Some positions may be eligible for

relocation expense reimbursement. Internships projected to be less than 20 hours per week are not eligible for medical, dental, or vision benefits.

\* Based on eligibility rules

### Drug Free Workplace

NREL is committed to maintaining a drug-free workplace in accordance with the federal Drug-Free Workplace Act and complies with federal laws prohibiting the possession and use of illegal drugs. Under federal law, marijuana remains an illegal drug.

If you are offered employment at NREL, you must pass a pre-employment drug test prior to commencing employment. Unless prohibited by state or local law, the pre-employment drug test will include marijuana. If you test positive on the pre-employment drug test, your offer of employment may be withdrawn.

### Submission Guidelines

Please note that in order to be considered an applicant for any position at NREL you must submit an application form for each position for which you believe you are qualified. Applications are not kept on file for future positions. Please include a cover letter and resume with each position application.

### EEO Policy

NREL is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard basis of age (40 and over), color, disability, gender identity, genetic information, marital status, domestic partner status, military or veteran status, national origin/ancestry, race, religion, creed, sex (including pregnancy, childbirth, breastfeeding), sexual orientation, and any other applicable status protected by federal, state, or local laws.

[EEO is the Law](#) | [Pay Transparency Nondiscrimination](#) | [Reasonable Accommodations](#)

**E-Verify** [www.dhs.gov/E-Verify](http://www.dhs.gov/E-Verify) For information about right to work, click [here](#) for English or [here](#) for Spanish.

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 Golden, CO

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#### About Us



The National Renewable Energy Laboratory (NREL) is a leader in the U.S. Department of Energy's effort to secure an environmentally and economically sustainable energy future. With locations in Golden and Boulder, Colorado, and a satellite office in Washington, D.C., NREL is the primary laboratory for research, development, and deployment of renewable energy technologies in the United States.

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