

Title: Fire Protection Engineering Intern

Locations Available:

- Arlington, VA
- Denver, CO
- Kansas City, MO (WHQ)
- Minneapolis, MN
- Morristown, NJ

Company Overview:

Burns & McDonnell is a 100% employee-owned engineering, construction, and consulting firm consistently ranked as a best place to work by Fortune and the Denver Post. We are seeking a Fire Protection Designer to join our growing team in the Denver office. Fire Protection Engineering is broad, exciting, and fast-growing engineering discipline offering excellent opportunity for growth.

You will join a team of Fire Protection Engineers and Designers who work on a wide range of exciting and challenging projects including manufacturing and food processing facilities, data centers, aircraft hangars, central utility plants, industrial facilities, and more. You will be working in a team environment with a premium placed on client and peer-to-peer interaction. You can expect to be a part of an energy-filled workplace at a successful and growing company.

Job Description:

A Fire Protection Engineering Intern will work collaboratively with our teams to support our Aviation & Federal team. This position will provide support and assistance with requests in support of the business strategy.

- Assist in the design and specification of fire suppression systems including wet-pipe, dry-pipe, preaction, deluge, fire pumps, and storage tanks on a wide variety of project types. Knowledge of special systems such as foam, spray, mist, clean agent, wet/dry chemical, and carbon dioxide is preferred.
- Assist in the design and specification of fire alarm systems, mass notification systems, and releasing systems. Knowledge of manual, electric, and pneumatic releasing, as well as cross-zoning and flame detection is preferred.
- Assist in preparation of comprehensive fire protection packages including fire suppression, fire alarm, smoke evacuation, and life safety.
- Apply sound fire protection engineering principles to assist in troubleshooting and solving client related problems.
- Assist with ad hoc projects as assigned by managers.
- All other duties as assigned.

Job Qualifications:

- Pursuit of Bachelor's or Master's of Science in Fire Protection Engineering or related degree from an ABET accredited program.
- Or Pursuit of Bachelor's or Master's of Science in Fire Protection or related Engineering Technology from an ABET accredited program and successful completion of Fundamentals of Engineering (FE) exam.
- Currently enrolled, and in good standing, in a post-secondary education in a field related to the work done in the department.
- NICET certification in Water-Based System Layout, Fire Alarm Systems, or Special Hazards Systems (National Institute for Certification in Engineering Technologies) is preferred.
- Minimum of a 3.0 GPA strongly preferred.
- Prior internship and/or related consulting experience preferred.
- Involvement on campus or in the community.
- Basic knowledge in standard engineering techniques and procedures.
- Basic knowledge of building codes, fire codes, NFPA standards, FM Global datasheets, military standards, and refinery/industrial API guidelines a plus.
- Excellent written and verbal communication skills.
- Ability to work methodically and analytically in a quantitative problem-solving environment, and demonstrated critical thinking skills.
- Proficient computer skills (e.g. Microsoft Office Suite).
- Strong attention to detail, facilitation, team building, collaboration, organization and problem solving skills.
- Demonstrated leadership skills.
- Must have the ability to obtain and maintain access authorization to facilities and data of existing and potential clients, including, but not limited to DOE, aerospace, military, food and consumer product manufacturers, pharmaceutical, laboratories, and others necessary to perform work.
- Candidates must be legally authorized to work in the United States on a full-time basis without requiring future sponsorship for employment visa status.

EEO/Minorities/Females/Disabled/Veterans