

## **FIRE PROTECTION ENGINEER**

### **JOB DESCRIPTION**

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Michael Baker International is seeking an entry level Fire Protection Associate to join our team in the **Moon Township (Pittsburgh), PA office or the Denver, CO office**. Under direct supervision, the Fire Protection Associate will assist the senior fire protection personnel with the planning, design and analysis of fire protection systems and perform life safety analysis for new and existing buildings. Types of systems include: fire sprinklers, fire pumps, high expansion foam, fire alarm and mass notification systems. Typical buildings and facilities include: office buildings, storage and warehouses, aircraft hangars, and maintenance facilities.

- Complete fire protection system designs, including sprinkler, fire pump, fire alarm, and mass notification systems
- Perform hydraulic calculations for sprinkler and fire pump design
- Analyze life safety requirements for buildings, including building code compliance, occupant load calculations and egress analysis
- Perform on-site system evaluations and assist with final system testing
- Summarize submittals and contractor Requests For Information for review
- Coordinate designs with other engineering disciplines

#### **PROFESSIONAL REQUIREMENTS**

- Bachelor's Degree in Fire Protection Engineering, Mechanical Engineering or related field
- 0-2 years of professional experience
- EIT, or ability to obtain within 1 year;
- Knowledge of fire protection systems, including: fire sprinkler systems, fire pumps, clean agent systems, high expansion foam systems, fire alarm and mass notification systems
- Knowledge and/or experience of building and design codes, specifically IBC, NFPA 101, NFPA 13 and NFPA 72
- AutoCAD and/or Revit experience preferred
- Experience in the design of fire protection systems preferred

#### **COMPENSATION**

The salary range for this position is \$57,569 - \$79,157. This will be dependent on the experience and expertise of the incoming candidate.

## **APPLICATION**

Please submit resumes on the company's website at: <https://mbakerintl.com/careers> job number **307499**.

## **BENEFITS**

We offer a comprehensive benefits package including:

- Medical, dental, vision insurance
- 401k Retirement Plan
- Health Savings Account (HSA)
- Flexible Spending Account (FSA)
- Life, AD&D, short-term, and long-term disability
- Professional and personal development
- Generous paid time off
- Commuter and wellness benefits
- Remote work opportunities available



**Michael Baker**  
INTERNATIONAL



**Fire Protection Engineer  
(Entry Level)  
Job Posting 307499**

## ABOUT US

Michael Baker International, a leading provider of engineering and consulting services, including design, planning, architectural, environmental, construction and program management, has been solving some of the world's most complex infrastructure challenges for more than 80 years with a legacy of expertise, experience, innovation and integrity.

Based in Pittsburgh and with nearly 100 offices nationwide, we partner with clients on everything from roads, bridges, tunnels, mass transit, and airports, to water treatment plants, arctic oil pipelines, environmental restoration and specialized overseas construction. We serve as a trusted adviser to the communities we serve, making them safer, more accessible, more sustainable and more prosperous.

We provide visionary leadership in facilitating transformational change for our clients. Our work delivers differentiating innovations and dedicated experts who challenge the status quo and share a world of diverse experience and an impassioned entrepreneurial spirit. We deliver quality of life.

We Make a Difference.

Michael Baker International is proud to be an Affirmative Action/Equal Opportunity Employer. Michael Baker International provides equal employment opportunity for all persons, in all facets of employment. Michael Baker International maintains a drug-free workplace and performs pre-employment substance abuse testing and background checks. As a covered federal contractor, Michael Baker International is required to comply with Executive Order 14042, Ensuring Adequate COVID Safety Protocols for Federal Contractors, and its implementing guidelines. If the federal vaccine mandate is found to be valid and enforceable, this will include ensuring that all covered employees are fully vaccinated for COVID-19, except in limited circumstances where there is a legal entitlement to an accommodate. In addition, you may be subject to current or future state or local COVID-19 vaccine mandates that could become a condition of your employment based upon your work location or involvement on a project. Accordingly, Michael Baker encourages you to provide satisfactory proof that you are "fully vaccinated" for COVID-19 so as to ensure compliance with any potential applicable federal, state, or local laws. We encourage all qualified applicants to apply for any open position for which they feel they are qualified and all will receive consideration for employment without regard to race, color, religion, age, gender, sexual orientation, gender identity, national origin, citizenship status, marital status, genetic information, disability, protected veteran status or any other legally protected status.

EEO is the Law. Applicants to and employees of Michael Baker International are protected under Federal law from discrimination.

## **ABOUT THE TEAM**

### **ARCHITECTURE & BUILDING ENGINEERING PRACTICE**

Michael Baker International seamlessly integrates all our service offerings – architecture, planning, landscape architecture, engineering and management – to solve client challenges from multiple vantage points, providing unsurpassed holistic, sustainable, and innovative solutions. From high-profile, high-image landmarks to low-cost, utilitarian solutions, our professionals know how to balance image and cost appropriately for each unique situation. At Michael Baker International, we believe that the beauty of a project resides both in performance and aesthetics – “success” to us is measured by functionality, value, and exceeding clients’ expectations to “Make a Difference.”