



## Job Description

### Fire Protection Associate - Entry Level - (191884)

**Job Type** Full-Time Exempt

**Primary Location** US-PA-Moon Township

#### Description

#### WHO WE ARE

Supported by more than 3,000 employees in nearly 100 locations across the United States, we provide a full continuum of engineering and consulting services, including design, planning, architectural, environmental, construction and program management. Our clients include U.S. federal, state and municipal governments, foreign allied governments, and a wide range of commercial clients. Michael Baker is committed to delivering a standard of excellence that fosters a culture of innovation, collaboration and technological advancement to help solve our clients' complex challenges.

#### 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.”

#### DESCRIPTION

Michael Baker International is seeking an entry level Fire Protection Associate to join the team at our Moon Township, PA 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; Master’s Degree desirable
- 0-2 years of professional experience
- EIT, or ability to obtain within 1 year; P.E. certification desirable
- 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
- HRS HASS calculation experience preferred
- Experience in the design of fire protection systems preferred

#### MICHAEL BAKER INTERNATIONAL EEO STATEMENT

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. 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.



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