

Date: August 2020

Subject: Entry Level Fire Protection Engineer – Moon Twp, Pa (Pittsburgh) – Job Number 200676

**Michael Baker International**

Michael Baker International <http://www.mbakerial.com> is a leading global provider of engineering and consulting services which includes planning, architectural, environmental, construction, program management, and full life cycle support services as well as information technology and communications services and solutions. Baker provides its comprehensive range of services and solutions in support of U.S. federal, state, and municipal governments, foreign allied governments, and a wide range of commercial clients.

The fire protection engineering group is a portion of Michael Baker's Architecture, Engineering and Planning (AEP) Practice. Baker's Moon Township AE group is full service, consisting of structural, mechanical, fire protection, electrical and telecom engineers along with architects, planners, landscape architects and interior designers. With the variety of employed professionals, the candidate will have the opportunity to work with all facets of vertical building engineering and design.

The fire protection engineering group is looking for a full time Senior Fire Protection Engineer in the Moon Township, PA office (15 miles west of Pittsburgh, PA).

**Job 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

**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

**Salary**

Salary will be based on qualifications and experience

**Supervisory Responsibilities**

This job has no supervisory responsibilities

**Location**

The position is located in Moon Township, PA office (15 miles west of Pittsburgh, PA).

**Travel**

15-25% travel based on project schedules

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<https://mbakerintl.com/careers>