



## Job Description

### Fire Protection Intern - (191617)

**Job Type** Internship

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

#### Description

#### WHO WE ARE

Michael Baker International is a global leader in Engineering, Architecture and Consulting professionals dedicated to developing and implementing innovative solutions to the world's infrastructure and environmental challenges. Supported by more than 6,000 employees in 90 offices worldwide, we provide a full continuum of life-cycle engineering consulting, specialized global construction, base operations, Green Infrastructure, security management and intelligence solutions.

#### 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

Under direct supervision, the Fire Protection Intern 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.

- Use computer assisted engineering and design software to perform engineering tasks
- Complete system design, including piping, valves, and device layout of sprinkler and fire/alarm 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
- Summarize submittals and contractor Requests For Information review
- Coordinate designs with other engineering disciplines

#### PROFESSIONAL REQUIREMENTS

- Enrolled as a part-time or full-time student in good academic standing at an accredited University, College, or Technical School in pursuit of a BS in Fire Protection Engineering
- Minimum of 3 years of completed post-secondary coursework in student's field of study
- Minimum 2.5 overall GPA on a 4.0 scale
- Have an understanding of fire suppression systems, fire alarm systems, and life safety analysis
- AutoCAD and/or Revit experience is a plus
- HRS HASS calculation experience is a plus

#### 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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