

Fire Protection Engineering Internship - Summer 2026

DESCRIPTION

Michael Baker International is seeking a Fire Protection Engineering Intern to join our team in the **Moon Township (Pittsburgh), PA or Denver, CO office**. 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.

- 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 (RFIs) for review
- Coordinate designs with other engineering disciplines

PROFESSIONAL REQUIREMENTS

- Currently pursuing Bachelor's Degree in Fire Protection Engineering, Mechanical Engineering or related field
- Sophomore, Junior, or Senior within the degree
- 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 preferred
- AutoCAD and/or Revit experience preferred

Apply online at:

https://ebxs.fa.us2.oraclecloud.com/hcmUI/CandidateExperience/en/sites/CX_2/jobs/preview/308604/?keyword=fire+protection&mode=location