Fire Protection Engineer

exp Federal is an established full service architectural and engineering firm that provides a full range of design solutions and construction support to the federal government. Our team of professionals operates in some of the most challenging environments to provide support services to a variety of governmental agencies globally.

The Challenge
We are seeking a Fire Protection Engineer (0-1 years of experience) to join our growing team in our Chantilly, Virginia office.

Principal Areas of Responsibility:
The fire protection engineer is expected to assist senior engineers in developing comprehensive fire protection and life safety system design packages.

- Assist with the development of fire alarm and mass notification system design.
- Assist with the development of fire suppression system design including but not limited to fire sprinkler systems (wet & dry), pre-action system, high & low expansion foam suppression system, standpipe system, and fire pump system.
- Assist with the development of building and life safety code analysis, egress analysis, and smoke evacuation system design.
- Assist with analyzing existing water supply and hydrant flow tests.
- Assist with surveying existing buildings for deficiencies in life safety and building codes, fire alarm system and fire suppression system.

Required Qualifications:
- Bachelor’s Degree in Fire Protection or other related degree from an accredited university.
- 3.0 GPA or higher.
- Excellent written and verbal communication skills,
- Knowledge of Building and Life Safety Codes and fire protection systems.
- Ability to obtain a security clearance.

Preferred Qualifications:
- Proficiency in AutoCad or Revit
- Experience of Fire Dynamics Simulator, CONTAM, HASS
- Coursework in Fire Dynamics, Egress Modeling, Special Hazard Suppression Systems and Fire Sprinkler Systems
- Prior internship or consulting experience

Send resume and cover letter to Matt.Kim@expFederal.com