

Principal Fire Protection Engineer

Kingsport, TN

<https://jobs.baesystems.com/global/en/job/54158BR/Principal-Fire-Protection-Engineer>

BAE Systems, one of the world's leading defense contractor and a stable Fortune 500 company, is hiring a Fire Protection Engineer to support chemical manufacturing facility modernization efforts in Kingsport, TN and Radford, VA.

As a member of our fire protection engineering team, successful candidates will assist in designing fire and life safety systems including: wet, dry, preaction and deluge sprinkler systems; water spray; clean agent fire suppression systems; fire pumps; standpipes; and building fire alarm and mass notification systems. You will also be involved in building code and life safety code reviews, review of explosive materials, design and analysis of building egress, passive fire protection systems, and reviews of existing buildings for compliance with applicable building and fire codes.

Successful candidates will:

- Assist in the design and specification of fire suppression systems including wet-pipe, dry-pipe, preaction, deluge, water spray, clean agent systems, and fire pumps on a variety of project types.
- Assist in the design and specification of fire alarm systems, mass notification systems, and releasing systems. Knowledge of manual, electric, and pneumatic releasing, as well as cross-zoning and flame detection is preferred.
- Perform hydraulic calculations and work with outside resources to incorporate special hazard systems.
- Assist in preparation of comprehensive fire protection packages including fire suppression, fire alarm, and life safety.
- Apply sound fire protection engineering principles to assist in troubleshooting and solving client related problems.
- Assist field personnel in resolving design related installation issues.
- Assist in the construction administration process including review of contractor shop drawings, field inspection, and testing/commissioning.
- Pass a government background check and drug screening.

Required Skills :

- Bachelor's degree in fire protection engineering or similar major from accredited program
- Completion of FE exam
- Strong analytical and problem solving skills
- Excellent written and verbal communication skills
- Working knowledge of the International Building Code (IBC)
- Working knowledge of NFPA 13, 15, 72, and 101 and other applicable NFPA codes
- Working knowledge of the Unified Facilities Criteria (UFC)

Preferred Skills and Education :

- Professional Engineer (PE)
- Prior internship, 5+ years consulting experience, NICET certification, and certified Fire Protection Specialist accreditation
- Minimum 3.0 or higher GPA
- Proficient utilizing Microsoft Excel, Word and Adobe Software
- Proficient utilizing Revit and/or AutoCAD