



Position: Fire Protection Engineer

Location: Columbus, OH, Cleveland, OH or Virginia Beach, VA

Overview

Advanced Engineering Consultants (AEC) is seeking a Fire Protection Engineer with 5+ years of experience in consulting engineering. The ideal candidate will be pursuing an FE/FPE license, be skilled in all aspects of design and engineering for fire suppression, fire alarm and life safety systems, and be proficient in AutoCAD and Revit.

AEC is a consulting engineering firm specializing in mechanical, electrical, plumbing, technology and fire protection engineering services. Founded in 1998, AEC has grown into a trusted consulting firm working for clients throughout Ohio, the Midwest, and the Country. Our clients include municipalities, state agencies, federal agencies, local education and higher education, healthcare, and commercial entities.

The Fire Protection Engineer will be an integral part of the team. This person must be a team player, working closely with clients, team partners, and fellow staff to produce engineering drawings and documents. This person must have strong communication skills, be detailed oriented, and well organized.

Position Responsibilities

Self-perform the following:

- Perform fire suppression and alarm engineering calculations, including hydraulic calculations and intelligibility calculations.
- Perform life safety code reviews.
- Coordinate with in-house and subconsultant specialists.
- Coordinate with other trades, such as architects, electrical, mechanical and plumbing engineers.
- Perform field verification of existing systems for renovation projects.
- Communicate with manufacturer representatives to determine solutions for specific applications.
- Prepare design deliverables for various owner required submittals, i.e., SD, DD, CD level documents.
- Prepare construction documents, including drawings and specifications.
- Perform project construction administration including response to RFI's, review of submittals, preparation of bulletins, review of contactor change orders, field visits and punch trips for installation verification.
- Review designs prepared by others as part of AEC's QA/QC process.
- Attend meetings with clients, authorities having jurisdiction, and other professionals as projects require.

Job Requirements/Qualifications

- Bachelor's degree in Mechanical Engineering or Fire Protection Engineering from an accredited university.
- Pursuing FE/FPE License.
- 3-5 years of fire protection engineering design.
- Working knowledge of design and analysis software such as Revit, AutoCAD
- Knowledge with AutoSPRINK and EASE Evac a benefit but not required.
- Good knowledge of State and Federal Codes.



- Proficient knowledge of standard construction practices and the ability to work with contractors to address construction issues.
- Ability to work and manage several projects concurrently.
- Experience in designing Federal, Healthcare, Commercial, Public Sector, Education, and/or Institutional projects.

Benefits

AEC offers competitive salaries with performance-based bonuses, career advancement opportunities, comprehensive health benefits, paid time off and holidays, and retirement saving options. The benefits package includes health (with FSA and HSA options), dental, vision, and life insurance. Retirement savings options include 401k with company match and ESOP contributions. Other benefits include tuition support, professional membership support, bonuses for publication and teaching, and more. AEC offers flexible work schedules and hybrid options to accommodate our employee's personal schedules and help with work/life balance.

AEC is an equal opportunity employer.