



# Consultant - Fire and Life Safety Engineering

Saint Louis, MO, United States

Boston, MA, United States

Columbia, MD, United States

Houston, TX, United States

APPLY NOW

## Job Description

### Who We Are

At WSP, we are driven by inspiring future-ready pioneers to innovate. We're looking to grow our teams with people who are ready to collaborate in building communities and expanding our skylines. To do this, we hire candidates of all experiences, skillsets, backgrounds and walks of life. We actively foster a work environment and culture where inclusion and diversity is part of our fundamental structure. This is delivered behaviorally, through our policies, trainings, local partnerships with professional diverse organizations, internal networks and most importantly with the support and sponsorship of our leaders who help drive our commitment to an inclusive, diverse, welcoming and equitable work environment. Anything is within our reach and yours as a WSP employee. Come join us and help shape the future!

### This Opportunity

WSP is currently initiating a search for a Full-Time **Consultant - Fire and Life Safety Engineering** specializing in smoke and egress modeling, for our **St. Louis, MO** office. Other acceptable office locations include **Boston MA, Columbia MD, and Houston TX**. This search is for a dynamic and experienced FPE and will play a crucial role within our group.

This position will be responsible for providing technical expertise to ensure the highest quality of fire protection and life safety solutions. The successful candidate will lead the development and execution of complex computer fire and egress modeling projects, performance-based design analyses, smoke control analyses, alternative method of construction request development, fire protection and life safety strategies, foster a culture of technical excellence, drive innovation, and uphold our high standard of care, particularly in the context of fire modeling, performance-based design, and smoke control.

### Your Impact

## Technical Excellence

- Perform computer fire modeling tasks, including:
  - Engineering evaluations of performance-based design alternatives; and
  - Application of Computational Fluid Dynamics (CFD) analysis to the design of smoke control systems, analysis of exterior fire spread, and analysis of exposure conditions created by fire.
- Perform computer egress analysis for projects.
- Interface with other WSP team members, clients and Building/Fire Officials.
- Provide expert technical guidance and solutions to ensure compliance with industry standards, building codes, and regulations.
- Drive continuous improvement in design methodologies and technological advancements to enhance the quality of fire protection and life safety solutions.
- Knowledgeable in the areas of building and fire codes, fire alarm and sprinkler design, and the industry standard of care.

## Building Code Consulting

- Stay current with evolving building codes and contribute to the development of company-wide strategies for code compliance.
- Experience with a wide range of complex projects and occupancy types.

## Project Excellence

- Maintain a deep understanding of industry best practices, codes, regulations, and emerging trends in fire protection and life safety engineering.
- Ensure that the fire protection and life safety practice consistently meets and exceeds the established standard of care for all projects.

# Who You Are

## Required Qualifications

- Bachelor or Master of Science Degree in Fire Protection Engineering, Mechanical Engineering, or related engineering discipline.
- Experience with FDS, CONTAM, and Pathfinder modeling.
- EIT or FE Certification.
- Proven experience (3 - 5 years) in the fire protection and life safety industry.
- A deep understanding of Building and Fire Codes, Standards, and Regulations (IBC, NFPA, UFC, OBO, etc).
- Excellent communication and interpersonal skills to collaborate effectively with clients, project teams, and regulatory authorities. The ability to convey complex technical concepts to both technical and non-technical audiences.
- Must be flexible to a variety of schedules to meet business needs and able to prioritize responsibilities and quickly adapt to change in a pressure work environment.
- Occasional travel may be required depending on project-specific requirements.

## Preferred Qualifications:

- Professional Engineering (PE) license.
- Knowledge of REVIT and/or AutoCAD.
- Experience in fire protection engineering design applications.

## WSP Benefits:

WSP provides a comprehensive suite of benefits focused on providing health and financial stability throughout the employee's career. These benefits include coverage related to medical, dental, vision, disability, and life; retirement savings; paid sick leave; paid vacation (or other personal time); paid parental leave; and paid time off for purposes of bereavement, voting, and/or attendance at naturalization proceedings.

## Compensation:

Expected Salary (all locations): \$79,000 - \$107,000

WSP USA is providing the compensation range that the company in good faith believes it might pay and offer for this position, based on the successful applicant's education, experience, knowledge, skills, abilities in addition to

Internal equity and specific geographic location. WSP USA reserves the right to ultimately pay more or less than the posted range and offer additional benefits and other compensation, depending on circumstances not related to an applicant's sex or other status protected by local, state, and/or federal law.

#LI-MQ1

## Job Info

Job Identification	84267
Posting Date	04/03/2026, 12:58 PM

## About Us

### About WSP

WSP USA is the U.S. operating company of WSP, one of the world's leading engineering and professional services firms. Dedicated to serving local communities, we are engineers, planners, technical experts, strategic advisors and construction management professionals. WSP USA designs lasting solutions in the buildings, transportation, energy, water and environment markets. With more than 15,000 employees in over 300 offices across the U.S., we partner with our clients to help communities prosper.

[www.wsp.com](http://www.wsp.com)

WSP provides a flexible and agile workplace model while meeting client needs. Employees are also afforded a comprehensive suite of benefits including medical, dental, vision, disability, life, and retirement savings focused on providing health and financial stability throughout the employee's career.

At WSP, we want to give our employees the challenges they seek to grow their careers and knowledge base. Your daily contributions to your team will be essential in meeting client objectives, goals and challenges. Are you ready to get started?

WSP USA (and all of its U.S. companies) is an Equal Opportunity Employer Race/Age/Color/Religion/Sex/Sexual Orientation/Gender Identity/National Origin/Disability or Protected Veteran Status.

The selected candidate must be authorized to work in the United States.

### **NOTICE TO THIRD PARTY AGENCIES:**

WSP does not accept unsolicited resumes from recruiters, employment agencies, or other staffing services. Unsolicited resumes include any resume or hiring document sent to WSP in the absence of a signed Service Agreement where WSP has expressly requested recruitment/staffing services specific to the position at hand. Any unsolicited resumes, including those submitted to hiring managers or other business leaders, will become the property of WSP and WSP will have the right to hire that candidate without reservation – no fee or other compensation will be owed or paid to the recruiter, employment agency, or other staffing service.

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Columbia, MD, United States • Posted on 07/22/2025



## Intermediate Consultant - Fire and Life Safety Engineering

New York, NY, United States • Posted on 04/21/2026



## Consultant - Fire and Life Safety Engineer

New York, NY, United States • Posted on 02/23/2026



## Associate Technical Director - Fire and Life Safety Engineering

Mumbai, Maharashtra, India • Posted on 01/28/2026



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