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 backgrounds. That’s why here at WSP, inclusion, diversity, equity and belonging are core principles. 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 Fire Protection Engineer** for the following offices: Arlington – VA, Charlotte – NC, Columbia – MD, Dallas – TX, Houston – TX, and New York – NY.

Be involved in projects with our **Fire and Life Safety (FLS) Team** and be a part of a growing organization that meets our client’s objectives and solves their challenges.

This opportunity provides technical assistance and guidance for due diligence, design, development, building, testing, and inspecting of fire and life safety systems on building projects in the public and private sector. Tasks may include assisting with the research, design, concept development, planning, installation, operation, maintenance, and optimal integration of automatic sprinkler, fire alarm, mass notification systems, smoke control, egress analysis, and building and fire code analysis review and compliance. The ideal candidate will
generate accurate and concise reports and documentation regarding installation, construction, and operation specifications. Further, they will ensure that responsibilities are delivered and adhered to with a level of quality that meets or exceeds acceptable industry standards for design, safety, and functionality.

Your Impact

- Interpretation of building code, life safety code, and fire code requirements. This will include familiarity with both ICC and NFPA codes, including the International Building Code and NFPA 101.
- Assist with the design of fire protection and life safety engineering systems including automatic fire sprinkler systems, fire detection and alarm systems, smoke management systems, and egress systems.
- Assist in the preparation of fire engineering calculations including smoke modeling and evacuation analysis from simple hand calculations to complex 3D computational modelling.
- Assist in the commissioning of fire alarm, fire suppression, smoke control, and life safety systems.
- Perform routine engineering functions and provide entry-level technical assistance on various code requirements, calculations, and design strategies to develop performance-based solutions for projects.
- Under general supervision, assist with review architectural drawings for compliance with building and fire code requirements, and with producing fire safety strategy (basis of design) documents to inform and support the chosen building characteristics throughout the design process.
- Generate complete, accurate, and concise documentation, technical reports, and specifications using electronic systems, drawings, and field site notes.
- Complete assigned training tasks and participate in department initiatives.
- Exercise responsible and ethical decision-making regarding company funds, resources and conduct, and adhere to WSP’s Code of Conduct and related policies and procedures.
- Comply with safety guidelines and site-specific procedures which include but are not limited to, location data, statistical documentation, engineering studies and surveys, and construction.
- Perform additional responsibilities as required by business needs.

Who You Are

Required Qualifications

- Bachelor’s or Master’s of Science Degree in Fire Protection Engineering or related Fire Protection degree.
- 0 to 2 years of fire protection and life safety consulting experience
- Excellent research skills with analytical mindset.
- Competent interpersonal and communication skills when interacting with others, expressing ideas effectively and professionally to an engineering and non-engineering audience.
- Proficient self-leadership with attention to detail, multi-tasking, and prioritization of responsibilities in a dynamic work environment.
- Ability to work independently under general supervision, as well as part of a team to meet business objectives.
- Basic proficiency with technical writing, office automation, software, spreadsheets, technology, and tools.
- Proven track record of upholding workplace safety and ability to abide by WSP’s health, safety and drug/alcohol and harassment policies.
- Ability to work schedules conducive to project-specific requirements that may extend beyond the typical workweek.
- Occasional travel may be required depending on project-specific requirements.

Preferred Qualifications:

- Engineer in Training Certification.
- Knowledge of REVIT and AutoCAD
- Experience in fire protection engineering design applications
- Prior internship related to the degree of study and the specific engineering discipline.
- A member of and/or actively participate in local professional practice organizations.

Additional Requirements

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To perform this job successfully, an individual must be able to perform each essential job duty satisfactorily. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform essential job functions.

Additional Details

- **Required Education:** Bachelor's Degree or Equivalent Experience
- **Minimum Years Experience:** 0-1 years
- **Travel Required:** 25%
- **Job Status:** New Graduate
- **Employee Type:** Full
- **Primary Location:** ARLINGTON - N 17TH

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 12,000 employees in over 200 offices across the U.S., we partner with our clients to help communities prosper. www.wsp.com

WSP provides a comprehensive suite of benefits including medical, dental, vision, disability, life, and retirement savings focused on a 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.

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