Fire Engineer

Start Here, Go Anywhere!

Arup is seeking a fire protection engineer to join our Fire Engineering team that will contribute to prescriptive and performance-based design strategies for local, regional, and global projects while learning and enhancing their skillset. We are looking for self-initiating problem-solvers who can work as part of a team to apply a wide range of fire engineering technical skills. Daily tasks may include assisting with fire and dynamic egress modeling, performing structural fire calculations, and assisting senior engineers with the development of fire and life safety strategies. Arup's Fire Engineering team delivers solutions for some of the world’s most complex problems. This role is preferred to be based in our New York office but can also sit in our Washington, D.C. or Boston, MA office locations.

About Arup:

Arup is proud to be recognized by Fast Company in their third annual Best Workplaces for Innovators list, which honors businesses and organizations that demonstrate a deep commitment to encouraging innovation at all levels.

From climate action to social value, we consider the broadest impacts of our work. We strive to build a more sustainable, resilient, and equitable future. This purpose shapes our culture and has made us leaders in sustainable development. You’d be joining a firm which is focused on technical excellence and innovative solutions that create a better future for people, places, and the planet.

Qualified professionals will have:
- Bachelors Degree in Fire Protection, Mechanical, Chemical or Civil Engineering.
- Professional demeanor
- Excellent written and verbal communication skills
- Skills in planning and organizing.
- Attitude of taking initiative, enthusiasm, eagerness to learn
- Must not require sponsorship, now or in the future to be considered for this role

Notable Projects:
- International African American Museum
- UCSF Medical Center at Mission Bay
- TSX Broadway (Times Sq, Manhattan)
- UPMC Mercy Vision and Rehabilitation
- Mizkan America
- SLAC National Accelerator Laboratory

Your responsibilities will involve:
- Assist with fire modeling
- Assist with dynamic egress modeling
- Assist with the development of structural fire calculations
- Assist with the development of fire safety strategies for special hazards
- Contribute to the development of prescriptive and performance-based design strategies
- Provide consulting for life safety, building, and fire code compliance
- Assist senior engineers to help clients to incorporate fire and life safety strategy concepts into the design and review drawings for conformance with the agreed strategy
- Perform smoke control analysis
- Assist senior engineers on project site visits and communicate with architects, contractors and consulting teams
- Participate in internal team meetings and external client meetings
- Adapt to working with multiple teams, across multiple offices in a multi-discipline environment
Benefits that Work
At Arup, we have a comprehensive and valuable benefits program that works for our employees and their families while keeping costs low. These benefits provide health and welfare security for you as well as paid time off for rest and renewal. Our Global Profit Share Plan (paid bi-annually) provides an opportunity for you to share in the success of the Firm. As a valued employee of Arup, you can also choose to participate in our 401(k) plan with up to 10% company match to help you save for your future.

Flexible Working
We believe that flexible arrangements create a more inclusive way of working that supports our diversity and the wellbeing of our people. Options include alternative schedules, part-time or reduced hours schedule, and/or the option to work remotely for a portion of your workweek.

Arup is an equal opportunity employer committed to a diverse and inclusive work environment where our people are encouraged to grow. EOE including disability/veteran. Individuals with disabilities are provided reasonable accommodation.

Should you require accommodation in the job application or interview process, please let us know by sending an email to americas@arup.com.

Link to apply:
https://jobs.arup.com/jobs/fire-engineer-10452