



Fire Protection Designer/EIT

Description

About Us

At HDR, we specialize in engineering, architecture, environmental and construction services. While we are most well-known for adding beauty and structure to communities through high-performance buildings and smart infrastructure, we provide much more than that. We create an unshakable foundation for progress because our multidisciplinary teams also include scientists, economists, builders, analysts and artists. That's why we believe diversity is our greatest strength. HDR is proud to be an equal opportunity workplace and an affirmative action employer.

Watch our 'About Us' video: <https://www.youtube.com/watch?v=bWZw3sXVyNU>

We believe that the way we work can add meaning and value to the world. That ideas inspire positive change. That coloring outside the lines can illuminate fresh perspectives. And that small details yield important realizations. Above all, we believe that collaboration is the best way forward.

HDR's Fire & Life Safety (FLS) team is continuing to expand our market sector expertise across HDR's client base, including Civic (high-rises, auditoriums/arenas, detention, recreational), Federal (Department of Defense (DoD), National Aeronautics and Space Administration (NASA), Veteran Affairs (VA), National Park Service (NPS), General Services Administration (GSA), Healthcare, Resources (hazardous materials, power, hydropower, waste, oil/gas/LNG, mining, industrial, fuels, material handling), Science/Tech/Labs, Transportation (aviation, rail, roads/bridges, marine, public transit), and Water (water/waste/storm treatment).

We are seeking a highly motivated Fire Protection Engineer-in-Training (EIT) to join our multi-discipline A/E design and engineering team in Charlotte, NC. This position reports directly to, and works closely with, the East Region Fire & Life Safety Lead and will serve in a support role to our internal project teams as well as external clients.

As a member of our Fire & Life Safety team, you will be tasked with executing design production, and you will also have a key role in providing and delivering our fire & life safety design services which includes: active and passive fire and life safety systems, code consulting, life safety and egress evaluations, performance based design, fire/smoke/egress modeling, inspection and plan review, hazard and risk analysis, emergency management and planning, structural fire protection, fire root cause analysis, and accessibility consulting.

If you are self-motivated, goal and detail oriented, take pride and responsibility for your work, and want to advance your career in Fire & Life Safety within a leading A/E Firm that appreciates you and your ambitions, look no further.



Success in this role will require the ability to:

- Be highly motivated, constantly seek improvement in how we do things, and willing to take on new challenges.
- Interface directly with internal and external HDR clients to understand their issues and deliver creative and cost-effective solutions.
- Know your strengths, foster relationships, and be a proactive communicator.
- Collaborate in a team environment with a positive and helpful attitude.
- Share our desire to grow our Fire & Life Safety team locally and nationally.
- Be able to manage multiple projects through independent work while engaging other Fire & Life Safety teammates as necessary.
- Effectively network with other fire and life safety industry professionals.
- Coordinate with other engineering and architectural disciplines within the design team.

Duties and Skills:

- Assess existing fire protection systems and work with experienced professionals to design new ones including suppression systems, fire detection, alarm and mass notification systems.
- Support life safety, building, and fire code compliance designs.
- Support thorough and clear design analysis, summary of code requirements, life safety plans, and engineering evaluations.
- Plan and design details including engineering concepts, distribution plans, riser diagrams, detail drawings, schedules, specifications, etc.
- Occasional on-site project observations and reviews; duties required to fulfill contractual obligations for construction phase services.
- Experience in designing fire sprinkler, suppression, and fire alarm systems layouts utilizing hydraulic calculation programs, and knowledge of NFPA Codes, and International Building and Fire Codes is required.

Minimum Qualifications

- 0-2+ years of technical experience in a technical fire protection design or consulting role involving fire protection or other building systems.
- EIT or ability to obtain within 12 months required. Candidates hired without their EIT will have the title Fire Protection Designer and will be expected to obtain their EIT for career progression.
- Bachelor's or Master's degree in Fire Protection Engineering, Architectural Engineering, or related engineering (Mechanical Engineering, Chemical Engineering, Electrical Engineering) fields is preferred.
- Approximately 10-20% travel may be required.
- Basic Microsoft Office skills.
- A good working knowledge of, and experience with, Autodesk Products such as AutoCAD, REVIT and Navisworks is a plus.
- Preference given to local candidates.



Why HDR

At HDR, we know work isn't only about who you work for; it's also about what you do and how you do it. Led by the strength of our values and a culture shaped by employee ownership, we network with each other, build on each other's contributions, and collaborate together to make great things possible. When you join HDR, we give you license to do the same. We help you take charge of your career, giving you multiple growth opportunities along the way.

Primary Location: United States-North Carolina-Charlotte

Industry: Federal

Schedule: Full-time

Employee Status: Regular

Business Class: ASMEC / Facilities

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