ASSOCIATE

JENSEN HUGHES is seeking qualified candidates for Associate Fire Protection Engineering positions in Baltimore and many other offices throughout the US. The Associate learns professional-level fire protection engineering services such as life safety code consulting, sprinkler design, fire alarm design, performance-based fire engineering design, under the direction of a P.E. or an experienced consultant.

Essential Functions and Duties:
• Develops, modifies and/or reviews drawings of systems or components, according to established standards.
• Develops plans, specifications, and inspection reports as needed on assigned tasks to see that these items are complete, accurate and in accordance with good professional service practice standards.
• Assist technically in the resolution of design problems that may include performing field investigations or inspections, detailed design work, and detailed checking of design computations done by others, or general coordination of specific design aspects into a project.
• Identify applicable codes and standards to reference in evaluating how to respond to inquiries.
• Conduct and document assigned work such as basic building code analyses, egress analyses, fire detection and alarm systems reviews, smoke control systems reviews, and basic sprinkler and water supply systems reviews, including hydraulic calculations.
• Perform basic calculations as assigned such as size required means of egress, maximum allowable building area, sprinkler system water supplies and smoke control equipment.
• Compose technical letters and reports to address specific technical concepts
• Submit progress reports to Project Managers and Project Leaders.
• Effectively communicate with project team members, clients and others.

Other Functions:
• CADD document preparation/production
• Professional career development in specific areas of the company’s practice.

Requirements:
• BS degree or higher from Accredited University in Fire Protection Engineer (desired) or related engineering or science degree
• 0-3 years’ experience and EIT (desirable)
• Demonstrated knowledge of engineering principles or construction technology and practices.
• Possess intermediate-level written and oral communication skills to write reports, business correspondence, presentations and procedure manuals, and to respond to questions from managers, clients and the general public.
• Apply advanced mathematical concepts such as exponents, logarithms, quadratic equations, and permutations.
• Apply mathematical operations to such tasks as frequency distribution, determination of test reliability and validity, analysis of variance, correlation techniques, sampling theory, and factor analysis.
• Solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists.