

## Junior Fire Safety Engineer

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Company: Jacobs

Location: , , United Arab Emirates

Category: architecture-and-engineering

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Jacobs, we're transforming intangible ideas into innovative solutions designing the future – today. We are seeking a Graduate or Junior Fire Safety Engineer to be based in UAE office (hybrid) to undertake fire engineering design work for a range of interesting projects throughout the world. Our Fire & Life Safety and CFD/Tunnel Ventilation team focuses on a range of small to large scale projects from developing fire strategies for buildings and infrastructure to tunnel ventilation design, and carrying out airflow, smoke flow and heat transfer studies using a suite of analysis methods including one dimensional empirical calculation and complex 3D Computational Fluid Dynamics analyses. Responsibilities include but not limited to: Conduct evaluations for project's design compliance with code of practices, standards, and regulations. Assist senior engineers in the team to develop Fire Engineering documents using fire engineering principles and write technical reports i.e., Fire & Life Safety Strategy, FEB, FER, FRA, for both buildings and infrastructure projects. Design fire safety engineering solutions under the guidance of senior engineer, including feasibility studies for master-planning, and concept to detailed design stages. Prepare fire strategy design along with supporting engineering arguments, hand or spreadsheet calculations, and computational modelling. Working alongside other technical disciplines as a team and assist Fire Safety team to provide advice best suited to the project and the Client. Continue to develop and implement core fire safety engineering skills on projects across a wide range of sectors. When required, you will have the opportunity to develop skills in designing fire safety

systems including fire alarm, fire detection, fire suppression, wayfinding etc. You should maintain working knowledge and understanding of the relevant fire safety codes, standards, and regulations. Here's What You'll Need: As a successful candidate you will have a Bachelors degree in in a relevant engineering/science required, or Master's degree specializing in Fire Engineering / Fire Safety Engineering (preferable) and you will have experience specifically in Fire Safety Engineering within the built environment in a design / engineering role. You will also possess: -Ideally have some experience in the preparation of Fire & Life Safety Strategy, Fire Engineering Briefs, Fire Engineering Reports, and Fire Risk Assessment. Some fundamental ability to undertake scientific calculations related to fire growth, smoke movement and occupant evacuation. Some experience or understanding in CFD fire modelling and evacuation modelling. Knowledge in structural fire engineering would be beneficial. Good working knowledge of fire standards i.e., SFPE, NFPA, BS, IBC, IFC etc. Good written and verbal communication skills (clear and concise report writing will be expected). Basic knowledge of CAD Software using AutoCAD, Microstation or BIM. A team player who enjoys working with colleagues in other disciplines and sectors of construction and other industries. A communicator keen to showcase concepts and ideas including presentations as well as develop our existing client and internal relationships and create new ones. Ability to self-motivate and work independently with little supervision. From our inclusive employee networks to our positive mental health champions – we are committed to driving a culture of caring where you can be you. Joining Jacobs not only connects you locally but globally - and together, our diverse perspectives and unique backgrounds power our collective strength. We collaborate and share! By supporting one another, we all succeed. With safety and flexibility always top of mind, we have gone beyond traditional ways of working so you have the support, means and space to maximise your potential. You will uncover flexible working arrangements, benefits, and opportunities to do good too – from participating in our global giving and volunteering program, to exploring new and inventive ways to help our clients make the world a better place. No matter what drives you, you will discover how you can cultivate, nurture, and achieve your goals – all at a single global company. Start your Jacobs career with a company that inspires and empowers you to deliver your best work so you can evolve, grow and succeed – today and into tomorrow. Please note: If you are being represented by a recruitment agency you will not be considered, to be considered you will need to apply directly to Jacobs. Primary Location Travel Travel : Yes, 10 % of the Time Job Posting Job Posting: Mar 14, 2024, 6:01:49 AM

Job Job : Health and Safety Organization Organization : PPSJob TypeJob Type: Graduate Job  
Work Locations Work Locations : AE Bur Dubai - Halcrow International Partnership Halcrow  
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