



Associate Engineer - Fire Sciences

[OWENS CORNING621 reviews](#) - Granville, OH

Location: Granville, Ohio - United States

PURPOSE OF THE JOB

Owens Corning is committed to making the world better, safer, and more sustainable. The Fire Sciences Laboratory is a key component in ensuring our products are safe in the markets and applications in which they are used. This entry level engineering position executes fire testing safely while maintaining and improving test accuracy in the lab. In addition, the Fire Sciences Laboratory Associate Engineer will drive for new and improved testing and modeling capabilities, participate on project teams, and own responsibilities for the Laboratory Information Management System and NVLAP/ISO accreditation.

Reports to: Leader of Acoustic and Fire Laboratories

JOB RESPONSIBILITIES

Safety and Continuous Improvement (approximate 20%)

- Live the Owens Corning safety culture maintaining 100% safe laboratory.
 - Provide safe specimen preparation and testing for internal/external customers
 - Identify key test variables to drive for solutions minimizing safety risks.
 - Develop fixturing, tools, and processes to reduce safety risk in execution of fire testing.
 - Perform hazard identification, product safety analysis, and document as necessary to produce and reproduce industry leading testing methods
- Drive continuous improvement through automation of testing processes and communicate value clearly
- Develop and own processes for preventative maintenance.

Fire Test Execution/Evaluation (approximate 60%)

- Coordinate scheduling of fire test systems to drive testing efficiency.
- Provide testing of Owens Corning product fire performance.
- Clearly articulate the results and analysis informally/formally to customers providing data analysis and updates with insights.
- Utilize LIMS to store data and track lab usage identifying customer use rate for each division of the business
- Participate on project team(s) to provide guidance, identify critical testing needs and timing.
- Provide guidance and insight on appropriate fire testing done internally/externally.
- Provide statistical analysis of data, demonstrating clear understanding of results, to guide future testing.
- Participate and lead task groups on the ASTM standardization E05 committee pertaining to fire.

Fire Sciences Laboratory Development (approximate time 20%)

- Plan, design and define concepts and criteria in current testing or new test methods to employ objective measures of fire performance. Validate and document the results and quality of data.
- Analyze available information, determine opportunities for lab growth and create new testing solutions.
- Identify methods to predict fire performance utilizing Computational Fluid Dynamics modeling software.
- Share learnings and knowledge through technical transfer (i.e. tech reports, external papers, training, etc...)

JOB REQUIREMENTS

MINIMUM QUALIFICATIONS:

- Bachelor's degree in Fire Protection Engineering, Mechanical Engineering or Physics

EXPERIENCE:

- Knowledge of heat transfer and fluid mechanics preferred.
- Knowledge of a laboratory environment preferred.
- Knowledge of computational fluid dynamics preferred.
- Knowledge of ASTM fire test standards preferred.



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KNOWLEDGE, SKILLS & ABILITIES:

- Self-starter, quick learner, and eager to be hands-on. Creativity and curiosity are personal attributes which lead to success in this position.
- Willingness to work hands on in the lab.
- Must be able to effectively communicate technical information to a non-technical audience.
- Ability to collaborate and work directly with a diverse group of peers, Research Engineers, Scientists and other team members to complete a project from start to finish.
- Excellent verbal and written communication skills required. Ability to interface with clients directly and effectively.

KEY LEADERSHIP CAPABILITIES

Connection

- **Collaborates and fosters teamwork:** Partners across teams, departments, and businesses to define and achieve shared goals. Encourages and supports open communication, and recognizes that healthy tension can improve team performance. Values and rewards group contributions above individual achievement. Celebrates team success.

Ideation

- **Challenges the status quo:** Thinks creatively, identifies and exploits ideas, takes calculated risks, and paves the way for change. Applies learning from different disciplines and industries. Probes for additional information and welcomes open discussion and debate.

Evaluation

- **Works from an outside-in perspective:** Partners both within and outside the team to generate ideas, solve problems, and garner different perspectives. Listens and attends to the market and anticipates the needs of customers when formulating goals and strategies.

Action

- **Follows through on commitments:** Organizes, plans, and sets priorities based upon deadlines and what is most critical and beneficial for Owens Corning. Aggressively implements plans to achieve timely and efficient results. Promotes reliability and dependability by following through and fully communicating results.

About Owens Corning

Owens Corning (NYSE: OC) develops, manufactures and markets insulation, roofing, and fiberglass composites. Global in scope and human in scale, the company's market-leading businesses use their deep expertise in materials, manufacturing and building science to develop products and systems that save energy and improve comfort in commercial and residential buildings. Through its glass reinforcements business, the company makes thousands of products lighter, stronger and more durable. Ultimately, Owens Corning people and products make the world a better place. Based in Toledo, Ohio, Owens Corning posted 2017 sales of \$6.4 billion and employs 19,000 people in 37 countries. It has been a Fortune 500® company for 64 consecutive years. For more information, please visit www.owenscorning.com.

A career at Owens Corning offers the ability to enhance your expertise and achieve your personal and professional aspirations. Through it all, we'll empower you with an environment that encourages open communication and big ideas, competitive pay for your performance, comprehensive benefits, and more opportunities to make your impact.

Must be eligible to work in the U.S. on a permanent basis.

Owens Corning is an Equal Opportunity, Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status or status as an individual with a disability.