

Connective Fuel Summer Wildfire Internship 2025

Wildfire Experimental Research Internship

The Insurance Institute for Business & Home Safety (IBHS) is seeking interns to join our team this summer. As an IBHS intern, you'll contribute to our mission of strengthening homes, businesses, and communities against severe weather—which means making a difference in the lives of real people. You'll also work for a world-class organization where integrity and hard work are valued and where crash-testing homes and buildings is all part of the plan for discovering better building methods. Learn more about IBHS at ibhs.org and hear what former interns have to say about their experience at ibhs.org/intern-with-ibhs.

What You'll Learn

As a Wildfire intern, you'll get experience in supporting IBHS's research including, but not limited to:

- Design and execute experiments at the IBHS research center to examine the vulnerability of hot tubs or similar connective fuels to wildfire ignitions and their potential role in suburban conflagration.
- Lead the execution of a set of experiments aimed at understanding the impact of connective fuels within Zone 0 and Zone 1 of structures experiencing characteristic wildfire exposures.
- Support the many wildfire test initiatives that IBHS will be executing next year
- Support the ADU burn testing that investigates the key drivers of structure-to-structure fire spread through full scale wind driven fire experiments.
- Involvement in all facets of experimental fire testing including physical setup, instrumentation, execution, clean up, and data collection, curating of data and data analysis

Location: Richburg, South Carolina

Qualifications

Successful candidates must have:

- Research experience
- Experience collecting or analyzing data would be an asset
- Laboratory experience setting would be an asset
- Background in fire science would be an asset but not a requirement
- Proficient in programming language (i.e. Python), LabView, and/or MATLAB

Applicants from Undergraduate to PhD Candidates welcome to apply, the scope of the internship can be adjusted to suit the candidates experience and abilities.

Preferred Majors

- Physical Sciences
- Engineering

Commitment to Diversity

IBHS is committed to creating and maintaining a workplace in which all employees have an opportunity to participate and contribute to the success of the business and are valued for their skills, experience, and unique perspectives.

Applicants should be authorized to work in the US. All positions are located on site, five days/week at the named location. This is approximately a 10-week program working 40 hours/week.

Drug-free Workplace, Equal Opportunity Employer & E-Verify Employer

Job Types: Full-time, Internship

Ability to commute/relocate:

- Richburg, SC Reliably commute or planning to relocate before starting work (Preferred)

Work Location: One location