**Office of Safety, Health and Environmental Management Internship Opportunity**

**Smithsonian Facilities**

**Project Name:** Fire Protection Engineering  
**Number of weeks:** 10 weeks with the ability to extend to 12 weeks  
**Location:** 600 Maryland Ave. SW, Washington

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**PURPOSE OF SF INTERNSHIPS AT THE SMITHSONIAN**

The primary purposes of the Office of Safety, Health and Environmental Management’s Fire Protection Division internship is to provide a practical learning experience in the areas of life safety and fire protection engineering. Interested students should be enrolled in an engineering related major, from an accredited college or university, and willing to learn how to conduct facility assessments, perform design reviews, and provide construction oversight for fire protection and life safety systems.

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**PROJECT DESCRIPTION**

The Office of Safety, Health and Environmental Management’s (OSHEM) Fire Protection Division (FPD) mission is to protect Smithsonian Institution’s (SI) staff, volunteers, visitors, collections and building’s from the effects of uncontrolled fire. An internship opportunity within the FPD will familiarize the intern with the application of fire protection engineering principles and methodologies to a variety of environments and activities, including places of assembly, laboratories, collection storage and processing, as well as construction, production and maintenance operations. The intern will have an opportunity to learn about building design review, including application of NFPA and ICC codes, as well as fire system inspection and acceptance testing.

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**STUDENT RESPONSIBILITIES**

The student will be responsible for learning, conducting fire protection site assessments, assisting with the review of design documents, system calculations and shop drawings, as well as participating in construction site inspections and systems acceptance testing. The intern will learn how to apply NFPA and ICC codes to various occupancies in the context of project design reviews and gain field experience conducting site inspections and systems testing. Students will be expected to demonstrate competencies in oral and written communication, leadership, and initiative.

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**SUPERVISORY RESPONSIBILITIES**

Supervisor will provide students with assignments and activities designed to train the intern on how to perform design and construction document reviews, conduct construction site inspections and tests, as well as formulate sound recommendations for corrective actions. The supervisor will assist the intern with the overall approach and methodologies for performing the above tasks, and applying the appropriate codes and standards.

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**PROJECT OUTCOMES**

1. To be determined based on internship objectives established by intern and supervisor
2. Presentation to SF senior staff of final project (including process used, results obtained, benefits to SF and suggested follow-on work)

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**LEARNING OBJECTIVES**

Student will acquire and develop knowledge and skills of fire protection engineering through practical applications. The student will be accompanied by an experienced fire protection engineer during their tenure. The student will learn how to apply NFPA and ICC codes to various occupancies in the context of project design reviews and gain field experience conducting site inspections and systems testing.

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Visit our website for more information. | E-Mail: sfinternship@si.edu