Office of Safety, Health and Environmental Management Internship Opportunity

Smithsonian Institution Office of Facilities Engineering and Operations

Project Name: Fire Protection Engineering

Number of weeks: 10 weeks with the ability to extend to 12 weeks
Hours: 32-40 hours per week
Location: 600 Maryland Ave. SW, Washington

PURPOSE OF OFEO INTERNSHIPS AT THE SMITHSONIAN

The primary purposes of the Office of Facilities Engineering and Operations (OFEO) 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.

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.

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.

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.

PROJECT OUTCOMES

Presentation to FPD Staff on an agreed upon assignment, providing results and recommendations.
Presentation to OFEO senior staff of final project (including process used, results obtained, benefits to OFEO and suggested follow-on work)

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: ofeointernship@si.edu