### Project Name:
**Industrial Hygiene & Environmental Science Internship Opportunity**

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

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#### 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 industrial hygiene and environmental science. Interested students should be enrolled in a science related major, from an accredited college or university, and willing to learn how to conduct facility walkthrough investigations, case reviews, and industrial hygiene surveys.

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#### PROJECT DESCRIPTION

The Office of Safety, Health and Environmental Management’s (OSHEM) Environmental Management Division (EMD) mission is to provide a safe and healthful work environment for Smithsonian Institution (SI) staff members, volunteers and visitors. An internship opportunity within the EMD will familiarize the intern with the environmental audit procedures, and techniques on how to conduct a variety of exposure monitoring evaluations including chemical, ventilation, noise, and indoor air quality assessments. The intern will learn about sampling strategies and how to calculate and analyze laboratory results to determine potential staff exposure.

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#### STUDENT RESPONSIBILITIES

The student will be responsible for learning, arranging and conducting industrial hygiene sampling surveys. The intern will learn how to apply applicable sampling strategies, select appropriate sampling equipment, prepare written reports of sampling results and provide suitable recommendations for corrective actions.

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#### SUPERVISORY RESPONSIBILITIES

Supervisor will provide students with assignments and activities designed to train the intern on how to oversee tactical planning efforts, conduct environmental audits and formulate sound recommendations for corrective actions. The supervisor will assist the intern in the selecting appropriate sampling equipment; administer proper sampling methodology, sample data analysis, report writing and forming conclusions based on the information obtained through the survey process.

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#### PROJECT OUTCOMES

1. Presentation to EMD Staff on the final sampling assignment, providing results and recommendations.  
2. Presentation to OFEO senior staff of final project (including process used, results obtained, benefits to OFEO and suggested follow-on work).

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#### LEARNING OBJECTIVES

Student will acquire and develop knowledge and skills of industrial hygiene and environmental science disciplines through practical applications. The student will be accompanied by a professional Industrial Hygienist or Safety Manager during their tenure. The student will learn how to select appropriate sampling protocols, select/operate industrial hygiene equipment, review/interpret sample data and prepare specialized reports.

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