### Building Information Modeling (BIM) Opportunity

**Office of Facilities Engineering and Operations**

**OFEO-OBATS**

**Project Name:** Building Information Modeling (BIM) Wiki Page Development  
**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, DC

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#### PURPOSE OF OFEO INTERNSHIPS AT THE SMITHSONIAN

The primary purposes of the Building Information Management internship is to provide a practical learning experience in designing Wiki pages and working with Building Information Models (BIM). Expected competencies will vary according to the specific area of study within building information management, academic requirements of the university, and professional goals of individual students.

#### PROJECT DESCRIPTION

Students will assist in developing/designing wikis and manipulate BIMs. Facilities wiki pages are launch points for BIM models and other related facilities information. The intern(s) will be assigned specific wiki sites to further develop and improve. The intern(s) will visit SI sites in the DC area to gather photos and research existing websites for related information to support the new sites.

#### STUDENT RESPONSIBILITIES

Students will engage in activities which contribute to the smooth functioning of the specific internship experience. Depending on the internship experience, students will be expected to demonstrate competencies from among the following: oral and written communication, leadership, initiative, self-monitoring, subject matter knowledge (developing and designing wikis, working with 3D building models).

#### SUPERVISORY RESPONSIBILITIES

Supervisor will provide students with assignments and activities which will provide the opportunity for the student to learn about, and participate in a professional capacity in the management of Building Information Modeling (BIM) and Microsoft SharePoint. Supervisor is also responsible for identifying the expectations of the project and the provision of opportunities to participate in Building Information Modeling Wiki Page Development, and the provision of resources, time, and support to facilitate the successful completion of the assignments.

#### DELIVERABLES

1. Development/improvement of multiple wiki pages  
2. Presentation to OFEO senior staff of final project (including process used, results obtained, benefits to OFEO and suggested follow-on work)

#### LEARNING OBJECTIVES

1. Hands-on experience in development of Building Information Modeling (BIM) Wiki Pages  
2. Understanding of 3D models of Smithsonian buildings and related attributes  
3. Understanding and experience with full suite of Autodesk AutoCAD, Revit, BlueBeam and SharePoint

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