



# National Internship Program

## Sample Federal Internships in Engineering

\*Not a complete list of internship opportunities available

**Desired Majors: Engineering, Chemical Engineering;  
Mechanical Engineering, Petroleum & Gas  
Engineering**

*Posted by: US Department of Interior – Bureau of Land  
Management*

The project is to help the Fluid Minerals Division with annual assessment of Oil and Gas Bond Reviews tracking project. The project will provide an 11-week training program for one intern based out of Santa Fe, New Mexico that will focus on performing the duties of an entry level a Petroleum Engineer. The interns will help in review Oil and Gas Bond Reviews from the field and to ensure that bonds are adequate with BLM procedures outlined in the Oil and Gas Bond Reviews instrument memorandum and the Federal Regulations. The intern will be working with the Fluid Minerals Division Petroleum Engineers as well as the Fluid Minerals Deputy State Director on establishing an annual strategy for completion of bond reviews, in addition to closing out the Fiscal Year reports.

**Desired Majors: Civil Engineer, Mechanical  
Engineering, Structural Engineering**

*Posted by: US Department of Interior – Bureau of  
Reclamation*

The mission of the Bureau of Reclamation (Reclamation) is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public. Reclamation is seeking a college intern to work at the Bureau of Reclamation in Denver, CO, Technical Service Center for 10 weeks this summer. Services provided will be directly related to Reclamation's mission-critical occupations with STEM (Science, Technology, Engineering and Math) emphasis. Each HACU intern will be assisting with the testing of civil engineering materials. Specifically soils, rock, and steel. Testing will be performed to determine the physical properties of the materials to determine their load bearing capacity as well as to determine the long-term durability. After the data is collected, the intern will collate the data, perform basic calculations, and prepare the initial report.

**Desired Majors: Civil Engineering, Mechanical  
Engineering, Structural Engineering**

*Posted by: US Dept. of Agriculture – Forest Service*

As a Civil Engineer Intern, performs one or more of the following duties: Perform field surveys of selected projects. Prepares field notes. Transfers field notes into detailed drawings, develops preliminary cost estimates,, prepares design data forms, computes project quantities, in preparation of project plans. Makes design calculations and prepares specifications for selected portions of projects for Station facilities, including parking lots, water and wastewater facilities, office and laboratory buildings, and other engineering facilities. Assists in inspecting construction projects for adherence to approved plans and specifications. Determines compliance with respect to dimensions, use of designated materials, progress of work, etc. The purpose of the work is to orient the trainee in the practical applications of policy, regulations, and engineering methods and practices through assisting with a variety of engineering tasks. The effect of the work is to facilitate the work of other engineering employees within the unit. Work will be performed primarily in an office environment. However, some field work will be required occasionally. Field work includes discomforts and moderate risk of injury from falls, strains, striking against brush and overhanging branches. Field work also includes occasional exposure to inclement weather such as rain, cold, or heat. Work may require physical exertion, such as walking over rough, uneven or steep surfaces.

**Desired Majors: Biology, Engineering, Electrical  
Engineering, Mechanical Engineering**

*Posted By: US Dept. of Veterans Affairs*

May be responsible for verifying quantities or working with clinical services to determine their needs. Researches FDA and Joint Commission standards with regards to equipment. Performs literature reviews and information synthesis from online and traditional hard copy sources to assist in medical device and product evaluations. Contacts medical device manufacturers to obtain the necessary data or information, which may be incorporated into procurement specifications, device evaluations, etc. Assists and shadows Biomedical Equipment Support

For more information on HNIP, please visit [www.hacu.net/hnip](http://www.hacu.net/hnip) or call 202-467-0893



## Sample Federal Internships, Continued

Specialists in daily tasks such as Preventative Maintenance, Corrective Maintenance, Incoming Inspections, etc. Other duties as assigned.

### **Desired Majors: Engineering**

*Posted By: US Dept. of Agriculture- Agricultural Research Service*

This position works as a Safety Intern with the USDA Agricultural Research Service (ARS), Eastern Business Service Center (EBSC). This Center provides Administrative and Technical Support Services to 43 federal research laboratory locations in the Eastern half of the United States. Works with safety managers on facility inspections, regulatory requirement research, project code compliance reviews, and safety plan reviews.

### **Desired Majors: Architecture, Engineering, Civil Engineering, Mechanical Engineering**

*Posted By: US Dept. of Veterans Affairs*

The intern assists in the administration and design of construction projects and assists other personnel in the facility as needed throughout engineering Service. The overview of the VA Engineering Office is to provide engineers that are knowledgeable in the areas of professional engineering practices, including principles of engineering and standard trade practices involving energy applications and the planning, development, design, and construction of major and minor projects, and their cost factors.

### **Desired Majors: Engineering, Industrial Engineering, Mechanical Engineering, Environmental Science**

*Posted By: US Dept. of Interior- Bureau of Land Management*

The Branch of Pipeline Monitoring is a multi-disciplinary organization that monitors and enforces Federal Regulations on the Trans-Alaska Pipeline (TAPS) Right of Way (ROW) and ensures the integrity, safety and reliability of the system for the benefit of the Federal Government, the State of Alaska and the general public. The Intern will provide field assistance to the Operations and Maintenance Specialist in the field by performing data recording, photography, general regulatory interviews and coordination. The project will involve understanding and

implementing compliance and regulatory functions of the Bureau of Land Management Branch of Pipeline Monitoring (BPM) as regards to the Agreement and Grant of Right-of-Way of the Trans-Alaska Pipeline and Related Facilities.

### **Desired Majors: Civil Engineering, Mechanical Engineering**

*Posted By: US Dept. of Agriculture- Agricultural Research Service*

The Facilities Division provides a variety of building related services to the REE Mission Area. The organization delivers operational support and technical guidance services in the functional areas of energy management; architectural-engineering; design and construction contract management; real property and space management; and safety, health, and environmental management. Perform energy audits and write reports. Review energy audit and re-/retro-commissioning reports. Review, track, and coordinate energy and water efficiently projects and deficiency repairs including renewable energy. Enter data into tracking and document handling systems. Troubleshoot utility bill payments and develop resolution for issues

### **Desired Majors: Engineering**

*Posted By: US Dept. of Veterans Affairs*

The intern will assist in developing, preparing, and/or reviewing engineering plans and designs for structures, facilities and/or systems. Intern will review reports and studies to identify and recommend engineering solutions with oversight provided by the Chief Engineering Officer. Intern will also co-conduct engineering inspections of systems operations and of structures and facilities during construction. The intern will learn appropriate statutes and regulations pertaining construction. Research and provide technical assistance to consulting engineers, contractors, public officials, municipalities and industry with guidance and oversight by the Chief Engineering Officer.