



National Internship Program

Desired Majors: Geology, Mining Engineering

Posted by: US Dept. of Interior – Bureau of Reclamation: The project is to expand the Division of Solid Minerals program capacity to support the State and Field Offices field operations. The intern will focus on performing the duties of an entry level Geologist and/or Mining Engineer and work with Bureau Mineral Examiners on field work. The interns will assist Certified Mineral Examiners in field examination of the mining claims. The intern will work closely with the Chief Mineral Examiner, a WO Solid Minerals Division employee, as well as State Office Certified Review Mineral Examiners, State level Certified Mineral Examiners and Mineral Examiner Candidates. The interns will assist other field personnel conducting mineral examination that will require them to map, sample, analyze, and identify mining claims and mineral resources to determine which mining claims possess valid existing rights. The interns will take part in all aspects of the field work. Knowledge of field methods, underground mapping and sampling will be utilized to make the validity determinations; which will involve critical thinking and data analysis.

Desired Majors: Geographic Information Systems, Geography, Geological Earth Sciences, Geospatial Science, Geological/Geophysical Engineering

Posted by: US Dept. of Veterans Affairs: Participate in building a VA Flood Model. Build a risk assessment of climate change model. Build web applications.

Sample Federal Internships in Geology & Geographic Information Systems

*Not a complete list of internship opportunities available

Proficiency in ESRI ArcGIS suite and ArcGIS Server and ArcGIS SDE

Desired Majors: Geography, Geographic Information Systems, Geological & Earth Sciences

Posted by: US Dept. of Interior – Bureau of Reclamation; This intern will help with the daily work load of data entry into our SDE system. We are looking for an individual who has a good understanding of geographic sciences and computer systems to help support GIS technology. Geographical sciences include aerial photography interpretation, satellite image processing, remote sensing techniques, three dimensional geographic analysis, computer based cartography, and a wide range of data collection procedures. The intern must have a thorough and effective mix of technical skills in the geographic and computer science disciplines as well as a working appreciation of the agency mission and operational procedures sufficient to support various local office programs. The intern would provide input in the development of technical resolutions to Geographic Sciences problems for the purpose of determining statewide and office Bureau policy

Desired Majors: Geological and Earth Sciences, Nuclear Engineering, Geophysics and Seismology, Physics

Posted by: US Dept. of Interior – Bureau of Reclamation: The intern will support the WO-320 staff on policy and technical, then focus on performing the duties of an entry level Geologist and work with Bureau Mineral Examiners on field work in support of valid

Sample Federal Internships, Continued

existing rights determinations. The intern will assist Certified Mineral Examiners in field examination of the mining claims. Goals: introduce the students to the policy-making process; assist the Solid Minerals division staff on policy development. The interns will assist other field personnel conducting mineral examination that will require them to map, sample, analyze, and identify mining claims and mineral resources to determine which mining claims possess valid existing rights.

Desired Majors: Geological and Earth Sciences, Chemical Engineering, Gas and Petroleum Engineering, Mechanical Engineering,

Posted by: US Dept. of Interior – Bureau of Land Management; The intern will perform the duties of an entry level a Petroleum Engineer and work with the review of operational reports completed in the Automated Fluid Minerals Support System (AFMSS) database. The intern will prepare technical engineering proposals and reports concerning the plug and abandonment of legacy wells. Preparation of these reports and plug and abandonment plans will familiarize the intern with geologic conditions in the arctic, well and historic practices and allow the intern to apply modern and current technology and standards to address a problem. Project Goals: to introduce the intern to the full suite of onshore oil and gas management responsibility; provide them with the oversight and guidance to independently prepare technical reports and plans; aid in the consolidation, analysis and management of oil and gas metadata and directly contribute to reducing operational backlogs for BLM Alaska.

Desired Majors: Geological and Earth Sciences, Geophysics and Seismology, Chemical Engineering, Gas and Petroleum Engineering, Mechanical Engineering,

Posted by: US Dept. of Interior – Bureau of Land Management; Project Description: Working as a petroleum engineer intern, the candidate would assist the State Office Fluids Lead in the areas of reservoir management, drainage and operations on federal oil and gas leases. The candidate would assist in the adjudication of federal land and mineral estates and review existing leases. The candidate would also assist with program coordination for the fluid minerals inspection and enforcement program. Upon successful completion of the internship, the candidate may be offered a permanent position. Project Goals: Provide the candidate the opportunity to learn a wide spectrum of processes and issues involved in the leasing and management of federal minerals. The candidate should exit the program with a working knowledge of the federal rules and regulations required to manage the public land resources.

Desired Majors: Geography, Cartography, Geological and Earth Science/Geoscience, Geophysics and Seismology, GIS

Posted by: US Dept. of Agriculture – Forest Service; This intern will work with the US Forest Service Air & Fire Research Team to help create GIS data layers needed for smoke management and smoke research. Specific duties include: utilizing an existing terrain model within ArcGIS to identify areas susceptible to pooling of smoke; gathering and compiling existing GIS data layers such as soil type, etc.... and cross walking these layers with smoke information; and mapping and converting geographic information for use in research comparisons and tools to help improve smoke model capabilities.