



# National Internship Program

**Desired Majors: Range Science, Range Management, Range Ecology, Forestry, Natural Resources Management**

*Posted by: US Dept. of Interior – Bureau of Land Management:* The Farmington Field Office range program works closely with grazing permittees/ranchers, interested public, and multiple resource staff in management of BLM-managed grazing allotments. Project Focus: the intern will update rangeland inventory summaries on several livestock grazing allotments. The selected allotments are classified as requiring an Allotment Management Plan (AMP), and they therefore require more intensive management and monitoring than non-AMP allotments. These AMP allotments have multiple long term trend plots established on them that require evaluation every three years. There is a need for this data to be compiled and utilized to provide updated AMP rangeland inventories. Goals for the intern include using and refining knowledge and skills acquired in school and in any previous work, acquiring professional on-the-job training and personal responsibility skills to work as a rangeland resource specialist, learning about multiple-use management, meeting and interacting with staff and members of the public, and completion of a needed project that is relevant to professional rangeland management specialist work. Goals for the office include providing useful skills to the intern, gaining updated AMP allotment inventories to provide needed data for informed decision-making and management prescriptions, and helping direct the intern toward appropriate future federal employment.

# Sample Federal Internships in Natural Sciences

\*Not a complete list of internship opportunities available

**Desired Majors: Conservation Biology, Ecology, Hydrology, Water Resource Science**

*Posted by: US Dept. of Agriculture– Forest Service:* Primary Duties: Conduct surveys for threatened, endangered and sensitive species (Mexican spotted owls, Northern goshawk, Sacramento Mountain Salamander, Kuenzler's hedgehog cactus, sensitive plants, Bats, small mammals, and fisheries related activities). Compiling data and preparing final reports related to these wildlife surveys. They will also be exposed to Habitat enhancement and restoration activities. "Conservation Education" activities will be a big part of this wildlife program.

**Desired Majors: Environmental Science, Natural Resources Management and Policy**

*Posted by: US Dept. of Agriculture- Natural Resources Conservation Service* Major Duties: Works with planning staff in providing technical assistance to producers and administer cost-share conservation programs. Assists with the conservation planning process utilizing the variety of resource assessment tools and equipment and assists with implementation activities. Participates in field office information and education programs. Participates in various meetings and events, and actively supports Civil Rights programs. All work activities conducted both outdoors, in various terrains and weather conditions, as well as at a desk in an office setting. Student may serve as an incidental motor vehicle operator, so a valid driver's license is required.



## Sample Federal Internships, Continued

### **Desired Majors: Ecology, Environmental Science, Forestry, Geographic Information Systems, Natural Resources Management and Policy**

*Posted by: US Dept. of Agriculture- Forest Service:* Primary responsibilities: Assist NA's Climate Change Coordinator in data collection and analysis of NA's delivery of climate-related information and services to States, Federally-recognized Tribes, and other partners. Data collection may include interaction with internal staff and/or external partners; Work with NA's GIS and Forest Stewardship Program staffs to create a story map to be shared online with stakeholders; Conduct a site visit, interview landowners & managers, and write an article that highlights a Forest Stewardship Program success. Additional opportunities may be available depending on time and the intern's interest. Desired Skills: strong interpersonal skills; excellent oral and written communication skills; GIS experience; and knowledge of forestry, natural resources, climate change and other environmental issues.

### **Desired Majors: Hydrology, Environmental Science, Physical Science, and Natural Resources**

*Posted by: US Dept. of Interior - Bureau of Reclamation:*

The project implements the Assessment, Inventory, and Monitoring (AIM) Strategy of supporting defensible renewable resource management by generating data and information needed to assess trends and inform adaptive management. The project identifies, establishes, and monitors high priority Designated Monitoring Areas (DMAs) and associated Multiple Indicator Monitoring (MIM) plots for stream channel and streamside vegetation, and assesses Proper Functioning Condition (PFC) of perennial and intermittent streams. Priority DMA identification/establishment and associated MIM plot establishment/monitoring are

needed to assess trends and inform adaptive management for the purpose of achieving rangeland health standards for riparian areas. Interns will prioritize potential DMA establishment locations by analyzing the existing Miles City Field Office (MCFO) PFC geodatabase. Interns will present mapped prioritization results to an IDT, and participate in the IDT's process to identify high priority DMAs to be established and monitored in FY16 and the monitoring objectives for each identified DMA. Interns will be trained by the Hydrologist/PC to independently and defensibly: a) establish the identified DMAs; b) establish MIM plots within the identified DMAs; and c) collect MIM stream channel and streamside vegetation data with an understanding of which indicators to monitor, when, and why. The interns will be trained to independently assess the physical functioning of perennial and intermittent streams and their riparian areas, and to rate functioning as Proper Functioning Condition, Functioning-at-Risk, or Nonfunctioning through consideration of hydrologic, geomorphic, and vegetative attributes.