

Paid Internships Available for Summer 2019



The Hispanic Association of Colleges and Universities is currently seeking students to fill the following paid internship positions. Please disseminate this information at your campus.

- Pay rates **per week**: Undergraduate: \$580 Graduate: 650
- Round-trip airfare for interns is arranged and paid by HACU.
- Housing can be arranged.

Students interested in any of these positions, must complete the online application at www.hacu.net/hnip. Our summer deadline is **Friday, February 15, 2019**. A letter of recommendation from someone employed at your university and official transcripts are required. These internships will be **11 weeks** long will qualify participating students to receive a hiring authority to be considered for permanent positions at the BLM.



Bureau of Land Management

The mission of the BLM is to sustain the health, diversity, and productivity of the public lands for the use and enjoyment of present and future generations.

DESIRED MAJORS: Geography, Geographic Information Systems

LOCATION: Portland, Oregon

PROJECT DESCRIPTION: The Land Records Team has an ongoing project converting multiple land tenure documents, including Master Title Plats, Historical Indices and Controlled Index Documents, to a modern geographic database and indexing platform. This project has layers of complexity including extracting and converting tabular data from legacy tabular databases, python code supporting the automation of data capture and transformation, and daily database management tasks. The team is small, with several vacant positions and we have several incomplete tasks that are perfect for an intern to step in and complete. There are data transformation tasks, the organization and cataloging of our python production code, as well as tasks for the future development of our GIS process as we migrate to the newest version of our GIS software. Determine energy project data that should be migrated to corporate ESMTROW database. Start a plan for collecting production python code. Complete header information for X# of code files. VB annotation scripts to arcade.

DESIRED MAJORS: Geology, Mining Engineering

LOCATION: Washington, DC

PROJECT DESCRIPTION: The project goals are to introduce the students to the policy-making process at headquarters and assist the Solid Minerals division staff on policy development and responses to mineral strategies at the State and Field Levels. Thereafter 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. The project will help the Washington Office and the select field offices with completion of mineral examinations.

DESIRED MAJORS: Geographic Information Systems, Geography, Recreation Planning

LOCATION: Vernal, Utah

PROJECT DESCRIPTION: The BLM Vernal Field Office does not have a process in place for inventorying and maintaining all of the signs they have installed out on the landscape. The end goal is to have a GIS database that will be used on tablets out in the field to record every sign out on the landscape. This database will have the capability to document proposed and damaged signs. The data collected in the field will be uploaded to an online database that can be accessed by the field office sign coordinator who will then come up with a phased plan of sign installation and repair. The data collection process is in place, but the data collection in the field has not been completed. Data collection in the Book Cliffs, Nine Mile Canyon Road, Sand Wash Boat Ramp road, Diamond Mountains. Finalize editing and processing of database and present findings.

DESIRED MAJORS: Geology or Geography

LOCATION: Sante Fe, New Mexico

PROJECT DESCRIPTION: The Bureau of Land (BLM) New Mexico State Office (NMSO) would welcome a paleontology intern student for the summer of 2019. The successful candidate should have an interest in New Mexico geology, fossils, and geographic information systems (GIS). This individual should have good work ethics, good time management skills, problem solving capabilities, work independently and unsupervised for portions of their internship, and good communication skills with other BLM specialists.

The paleontology intern student will receive an overview of an NMSO paleontologist duties. This will include reading current BLM regulations, agreements, policies, manuals, and handbooks; participating in resource meetings; assisting with GIS database management of the Potential Fossil Yield Classification (PFYC) and paleontological locality data; and reviews for National Environmental Policy Act (NEPA) documents. Research geological formations and incorporate into PFYC database. Work on GIS component, editing feature classes to incorporate locality form.

DESIRED MAJORS: Pre-Law, Real Estate, Business, Economics

LOCATION: Marina, California

PROJECT DESCRIPTION: The project will entail planning and conducting lands and realty existing rights/uses inventory for the Cotoni- Coast Dairies unit of the California Coastal National Monument in Santa Cruz County, California. Work will focus on locating and assisting with recording of existing land uses present on the Cotoni-Coast Dairies property. Many of the land rights/uses have title records documentation, but have limited locational data (e.g., lack of location maps). Workload would be divided between: Title Document Review (easements, deeds, grants, right-of-ways); Case file research/review; Field inventory; Recordation; project documentation; GIS data collection and management. Collect and verify realty records. Collate and organize internal BLM realty. Submit data to state office.

DESIRED MAJORS: General Studies or Environmental Studies

LOCATION: Washington, DC

PROJECT DESCRIPTION: Intern will perform a field visit (field office) that will allow him or her to observe and participate in authorization, interact with applicants, conduct and learn how to develop

rights-of- way, permits, Recreation and Public Purposes (R&PP) actions and sales authorizations, perform compliance examination to ensure compliance with terms and conditions. Work on obtaining, translating, describing, and understanding the various facets of legal land description and land status. This can be achieved by the use of learning how to write, format, terms, and phases that state the intent of the legal description that ensures the boundary of public lands. Prepare, collect, evaluate, and consolidate land use data. Response to inquiries regarding laws, regulations, and agency policies and procedural guidelines for administering the lands program.

DESIRED MAJORS: Biology, Environmental Science, Ecology, Natural Resource Management, Outdoor Recreation

LOCATION: Moreno Valley, California

PROJECT DESCRIPTION: The Californian desert is a network of fragile ecosystems. The BLM's California Desert District (CDD) and our partners have dedicated substantial resources to habitat restoration efforts over the last two decades. In that time technological advances have drastically improved data collection and storage, but our data management efforts did not keep up. In the last two years, the CDD used the DHA-RAI program to successfully consolidate two decades of disorganized wilderness restoration data into a single functioning enterprise database. Learn how to modify the El Centro Automation pilot Protocol to accommodate variations in data collection methods. Determine how to identify when modifications are necessary to the automation process to ensure its completeness, efficiency, and accuracy. Conduct automation process of field offices and document findings. Coordinate with larger restoration team. Draft report detailing progress in the automation process, preliminary findings, and next steps. Draft final presentation based on input from the restoration team.

DESIRED MAJORS: Recreation, Social Sciences, Natural Sciences, Forestry, Conservation

LOCATION: Idaho Falls, Idaho

PROJECT DESCRIPTION: The South Fork of the Snake River is one of the most used resources in Eastern Idaho, drawing in a diverse public land user base for various recreational activities. Every summer, thousands of visitors make use of their public lands, and BLM staff are eager to provide them with the best experience possible. This effort, however, cannot be undertaken without a properly sized staff to oversee and carry out the various day to day tasks, and to observe consumer trends to improve capacity study data, place counters at designated high use sites, that inventory of signs and draft order of necessary resources. Develop allocation plan for camp sites. Meet with specialists and research campsite reservation systems. Conduct routine field visits to record observations. Present findings and developed toolset to interagency working group.

DESIRED MAJORS: Outdoor Recreation in Parks and Tourism, Urban Planning

LOCATION: Las Vegas, Nevada

PROJECT DESCRIPTION: The Bureau of Land Management (BLM) Southern Nevada District is responsible for managing the Logandale Trails Off-Highway Vehicle Recreation Area. There were over 65,000 visits to the area in Fiscal Year 18. There are three Off-Highway Vehicle commercial tour operators permitted to conduct regular tours in the area. There are multiple permitted recreation events that occur in the area. In support of management of the growing recreation use in the area, the BLM will be finalizing and implementing a trail sign plan for the area. Intern will conduct trail data collection, working with BLM to identify available data and developing a strategy for collecting remaining data needed. This will include beginning site visits to Logandales Trails and meeting with BLM Partners. Intern will complete research, write text, select photographs, prepare maps, and create other interpretive graphics to explain topics and concepts agreed to with BLM resource specialists and partners.

DESIRED MAJORS: Archaeology

LOCATION: Bakersfield, California

PROJECT DESCRIPTION: The Bakersfield Field Office proposes to hire two Resource Assistance Interns to assist the Resources Division with project permitting activities during the summer of 2019. Should the intern's performance prove satisfactory, the office may convert the intern to a permanent GS-0193-7/9/11 Archeologist position or a term GS-0193-7/9/11 Archeologist position focused on a large EIS project. Interns will perform professional work in heritage resource management within the framework of BLM's multiple use mission. Primary focus will be on oil and gas permitting activities with additional project opportunities related to grazing, recreation and rights of ways. Ensures compliance with Section 106 and 110 of the National Historic Preservation Act. Consults with BLM management, other archaeologists, land owners, state government officials, tribal governments to provide information. Writes and prepares heritage and paleontological resource input for portions of environmental documents such as environmental assessments and planning documents.

DESIRED MAJORS: Anthropology

LOCATION: Santa Fe, New Mexico

PROJECT DESCRIPTION: The archaeology intern student will receive an overview of a NMSO archaeologist's duties. This will include reading current cultural resource regulations, agreements, policies, manuals, and handbooks; participating and supporting the NHPA 106 compliance activities and consultation with State Historic Preservation Officer (SHPO), tribes, and consulting parties; assisting The archaeology intern will also be assigned a project to be completed upon conclusion of the internship. The student would aid the BLM NMSO in the revision process, which would include tasks not limited to providing comments on the current protocol, attending workgroup meetings, document editing, arranging and leading meetings regarding the status of the revision process, creating timelines and agendas, assist in writing tribal consultation letters, and generally keeping the process moving forward and on track. The student would gain valuable experience working on an agreement document and learning about legislative authorities and BLM policies. At the end of the internship, the student will provide a status summary report to their supervisor and prepare a presentation about the protocol revisions and their experience for the New Mexico State Director.

DESIRED MAJORS: Anthropology, Archaeology, Geographic Information Systems

LOCATION: Winnemucca, Nevada

PROJECT DESCRIPTION: The BLM Winnemucca District utilizes a cultural resources geographic information system (GIS) database of archaeological sites that was created in the 1990s and has been updated over the years as new sites were located. A DHA intern came to Winnemucca in 2018 to review the database and digitize any archaeological sites that were missing, which was very successful. As a result, the database is essentially complete in that it has all the known sites; however, the database is lacking in attribute data for those sites, which has been compounded by the transition to the new BLM National Cultural Resources Database Standard which includes additional attributes that must be entered. Review physical records of archaeological sites, update site boundaries in ArcMap if necessary, and input necessary attribute data for said sites. Approximate deliverable of 125 sites digitized per week.

DESIRED MAJORS: Conservation Biology, Natural Resource Management, Natural Science

LOCATION: Amarillo, Texas

PROJECT DESCRIPTION: The Cross Bar is a 12,000-acre property and is the only BLM managed land in the entire state of Texas. Restoration and recreation are the primary objectives the interns would be assisting with. Currently, the Cross Bar is inaccessible to the public as it is landlocked between private

lands in all directions. Recently, however, the BLM secured a donated easement for future general access. Because of this easement, the OkFO is now focusing on designating the Cross Bar as a Special Recreation Management Area. Duties: -Safety orientation, introduction and tour of the Cross Bar, tour of local state and federal parks Report vehicle utilization - Trail building work and herbicide treatments of previously masticated mesquite -Trail building work and herbicide treatments of previously masticated mesquite, vegetation surveys -Trail building work and flagging new trails Report vehicle utilization

DESIRED MAJORS: Botany, Plant Biology, Ecology

LOCATION: Kremmling, Colorado

PROJECT DESCRIPTION: The Junction Butte WWA and Gore Canyon Ranch are acquired properties along the Colorado River, providing important wildlife, water fowl, and amphibian habitat and recreational opportunities. The Intern would manage the irrigation water to optimize resource benefits, while coordinating with nearby landowners and state water right officials. They would develop a management plan for Gore Canyon Ranch and update the plan for the Junction Butte area to reflect the Upper Colorado River SRMA's resource objectives in the 2015 RMP. Individual must be comfortable driving dirt and gravel roads, knowledge of ArcGIS and a familiarity with GPS units is helpful. Duties: -Training in waterfowl, amphibian identification and data recording and entry methods. GIS training and basic remote sensing techniques of wetland analysis, Arc Collector training Set up basic photo - Wetland operations with log of daily activities including water application, species observed, photographs with log, collector data. Office time to enter spatial data into GIS as well as tabulate field data in Excel/Access databases. -Intern should be able to operate safely and independently on managing the wetland operations, including an assessment of estimated water usage on BLM's properties. - Intern will also be able to assist on other projects of interest to a future natural resource specialist: accompanying wildlife biologist on species surveys, work with staff managing BLM's North Park wetland properties, help NRS with invasive species inventories. -Intern will present the completed Junction Butte Watchable Wildlife Management Plan to the staff. -Cross train the BLM specialists in wetland operations at both sites.

DESIRED MAJORS: Geology, Earth Science, Natural Science, Natural Resource Management.

LOCATION: Carlsbad, New Mexico

PROJECT DESCRIPTION: The Carlsbad Field Office is currently one of the busiest BLM offices in the nation for approving oil and gas permits and realty applications. We are looking for an individual who has a good understanding of biological and natural resources that would be good in a team environment. The intern would be taught the beginning processes of the National Environmental Policy Act (NEPA) and how to properly write Environmental Assessments (EA's). They would help coordinate and lead on ground inspections of proposed surface disturbing activities associated with oil and gas development and/or other land uses. This includes well pad locations, roads, pipelines and other activities needed to produce oil and gas. The intern would help conduct field inspections of oil and gas operations and/or surface use authorization for the purpose of determining companies with applicable laws and regulations, lease terms, onshore oil and gas orders.

