



Job Title: RESEARCH ASSISTANTS (2 POSITIONS OPEN)

Classification: Federal/State Work Study or Institutional Work Study (Student Worker)

Employer Name/Address: IAIA 83 Avan Nu Po Road, Santa Fe, NM 87508

Department Name & Department Code: Land Grant Programs / 4926

Location: Land Grant Programs

Supervisor Name: Charlene Carr, Director of Land Grant Programs

Purpose/Role of the Student's Position within the Organization: Reporting to the Director of Land Grant Programs the Research Assistants will be exposed to research that relate to one or more of the following core areas: agriculture, natural resources, and/or social-economics. The incumbents' research is focused on providing potential beneficiary impacts to tribal communities. The incumbents will engage in research methodology and design, facilitate data collection, and produce a research paper, poster and effectively communication results at a public forum. Students should also expect to take a series of mini-courses that will enhance their writing and critical thinking skills necessary in preparation for summer research projects. The incumbent will support the mission, vision and core values of IAIA.

Job Duties/Responsibilities & Relationship to Purpose/Role:

- Assist with project implementation, data collection and completion of reports and presentations.
- Assist with research project setup, breakdown, and maintenance of research projects under field and greenhouse conditions.
- Assist with research methods and/or agricultural practices related to the following but not limited to: planting, cultivation, irrigation, handling of research materials and tools.
- Maintain a scientific lab notebook.
- Collaborate closely with assigned faculty mentor.
- Learn basic research project design and methodology.
- Present research project(s) to a wide variety of audiences to include but not limited to: scientific audiences, public audiences, and tribal community members.
- Present research project(s) at various venues including but not limited to: scientific meetings, field days, and workshops.
- Complete a research paper and poster at the end of the project period.
- Learn and observe daily operations of the assigned station as related to research & local practices.
- Assist with additional agricultural project objectives as requested.

WORKING CONDITIONS:

- Ability to complete all the physical dimensions and demands of the position.
- Tasks are performed in varied external climates (vary from extreme cold to hot).
- Tasks are also performed in interior conditions (dust, fumes and/or particles).
- Duties require the ability to reach, stoop, bend and/or crawl.
- Duties require the ability to move and/or manoeuvre items weighing up to 50lbs.
- Duties require the ability stand for extended periods of time.
- Duties require the ability to safely use a wide-range of gardening tools.
- This job description does not list all the duties of the job.
- Incumbent may be asked by supervisors to perform other assignments or duties.

RESEARCH PROJECTS AND SITES:

- During the academic semesters, the garden and greenhouse are available for on-campus projects and conducted under the direction of the Land Grant Programs and designated IAIA faculty mentors.
- On-Campus Projects:
 - Building greenhouse and garden production capacity
 - Interdependent relationship between Juniper and Pinon
 - IAIA herbarium project
- Summer Projects:
 - Students are assigned to off campus sites
 - New Mexico State University Alcalde and Los Lunas Agricultural Science Centers are open to continuing students who complete the academic Fall and Spring programs.
 - 1) Hydrology and management of acequia irrigation systems, Alcalde-ASC
 - 2) Jujube tree fruit growth and production, Alcalde-ASC
 - 3) Forage crop production, Los Lunas-ASC
 - 4) Alfalfa water use and drought stress, Los Lunas-ASC.

Pay Rate: \$7.50 (IAIA Work Study Manual for Students, page 7)

General Qualifications: Must be able to complete the physical demands of this position. Must comply with the safety and health procedures.

Preferred Requirements: Ethnobotany and General Math Prerequisites. Out-of-town travel for meetings to NMSU sites is expected using a personal vehicle and will require proof of insurance during the summer program is preferred.

Length of Employment: August 15, 2016 thru November 30, 2016 (Fall);

Evaluation Procedure(s) and Schedule: Performance Evaluation form provided in IAIA Work Study Manual for Students (page 11), to be completed prior to last day of employment.