



Dendroarchaeology Intern Job Description

Position title: Dendroarchaeology Intern
Status: Non-exempt
Employment Category: Temporary (10 wk Internship)
Reports to: Laboratory Director
Revised: 10-14-2021/BAB

Position Summary:

The Dendroarchaeology Internship is designed to provide valuable experience to students in the fields of dendroarchaeology and dendrochronology by working with and learning from our research staff in the lab and field on tree-ring related projects and topics. Working with research staff at Crow Canyon, this internship will provide valuable on-the-job training related to a variety of tree-ring dating and climate change research. The dendroarchaeology intern will develop a broad range of skills that will aid in their development as archaeologists, dendrochronologists, and climate scientists as they learn a variety of in-field sampling strategies and techniques, analytical methodologies, and interpretative frameworks related to tree-ring data. The intern will apply these analytical skills to enhance Crow Canyon's research interpretations, dating strategies, educational outreach, and overall understanding of the culture history of the greater Mesa Verde region.

Education and/or Experience:

Advanced undergraduate or graduate course work in archaeology, anthropology, museum studies, climate and ecology research, or related fields is required. Minimum of four weeks archaeological field and/or laboratory experience is required. Previous experience with dendrochronology is preferred.

Essential Duties and Responsibilities:

To perform this job successfully an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Archaeology interns will gain experience in some or all of the following areas:

Dendroarchaeology Interns

- Processing archaeological specimens and samples
- Maintaining provenience control for cultural materials and records
- Learn new and develop existing knowledge of in-field tree-ring sampling methodologies from excavations, dry caves, and living trees
- Analyzing tree-ring samples using a variety of methods including skeleton plotting, ring measuring with a Velmex measuring station, and utilizing a variety of tree-ring analysis software
- Managing archaeological collections using a relational database
- Maintaining a small research library
- Instructing and overseeing lay participants in artifact identification and laboratory dendrochronology methods and procedures
- Creating and helping to develop dendroarchaeological and dendrochronological related educational modules for both in-person and online digital presentation formats
- Conducting and developing projects with relevance related to Crow Canyon's on-going field and laboratory research, education, and Native American initiatives based on the intern's interests and skill sets
- Field trips to archaeological sites, field sampling locations, and/or field or laboratory projects related to dendroarchaeology to engage with other professionals in the field

Dendroarchaeology internships will emphasize cataloging and analysis of dendrochronological collections, particularly samples from Crow Canyon's on-going excavations at the Haynie site. Interns will also have the option of working on a special project involving analysis and interpretation of dendrochronological and artifact collections.

Knowledge, Skills, and Abilities:

- Motivation to improve field, laboratory, and teaching skills related to dendroarchaeology
- Ability to work as part of a team (interns attend research staff meetings and participate in discussions about research strategies and organization and scheduling of work)
- Desire to instruct lay participants ranging from fourth graders to adults, many of whom have no previous archaeological or dendrochronology experience
- Ability to perform technical work, make careful observations, and record data legibly and accurately
- Willingness to read academic research related to dendrochronology and dendroarchaeology as assigned by their supervisor

Physical Demands:

- Must occasionally lift and/or move up to 50 pounds
- Must be able to regularly lift and/or move up to 30 pounds
- Must be able to work in adverse weather conditions including heat, rain, and snow
- Must be able to ascend and descend ladders for program activities
- Must be able to walk over uneven terrain
- Must be able to legally and safely operate a 15-passenger van and mini van
- Must be able to stoop, kneel, reach, crouch, or crawl to perform essential job duties
- Must be able to sit for a prolonged period of time

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential duties.

Certificates, Licenses, and/or Registrations:

- Valid driver's license
- Must be insurable by Crow Canyon's automobile liability carrier upon hire and while employed in this position
- Complete transportation-related training
- Must complete and comply with Health Care Statement upon hire
- Must be willing to comply with all Crow Canyon health and safety protocols (including, but not limited to, wearing a mask).
- Required health questionnaire to be filled out prior to hiring

Note: This is a general description of the kinds of duties and responsibilities that are performed by employees who have this title. It shall in no way be construed as an all-inclusive determination of the specific duties and responsibilities of any particular position. It is not intended in any way to limit the right of any supervisor to assign, direct, and control the work of employees under his or her supervision.

I have received a copy of my job description. I understand and accept the responsibilities of this position.

Signature of Employee

Date