



**SANTA BARBARA BOTANIC GARDEN
POSITION DESCRIPTION**

Rare Plant Technician

Overview:

The Rare Plant Technician assists with a wide range of field, lab, and office work supporting the inventory, conservation, and restoration of California's flora and ecological communities. This position also supports the rare plant program by assisting with volunteer recruitment, training and management. This full-time (40 hours per week), non-exempt position, reports to the Rare Plant Biologist.

Essential Duties:

- Conduct plant surveys, with an emphasis on rare plants
- Collect, clean and curate seeds for conservation, research and restoration
- Conduct greenhouse work, including mating system, soil seed bank and germination studies
- Conduct ecological restoration field work, including rare plant recovery, invasive plant control, native seed collection, seed bulking, seeding and out planting
- Enter data and assist with database management for conservation seed collections and research projects
- Train, assist and manage volunteers
- Download and differentially correct GPS data and produce maps in ArcGIS
- Collect and curate herbarium specimens
- Periodically, perform education/outreach assignments, including leading interns, writing newsletter articles, or giving presentations

Knowledge and Abilities:

- Experience with and knowledge of basic taxonomic principles, botany, and ecology
- Knowledge of and experience with the California flora
- Ability to follow instructions, work successfully with others, and work independently with minimal supervision
- Ability to conduct field work in a remote setting with rugged terrain under a variety of environmental conditions, sometimes independently
- Experience using both paper and digital maps; experience with Garmin GPS, ArcGIS, Collector and Google Earth preferable
- Manual dexterity and attention to detail sufficient to prepare plant specimens and clean seeds neatly and quickly
- Ability to work under pressure and meet deadlines
- Computer proficiency including ability to use Microsoft Access, Outlook, Excel, Word, and PowerPoint, and ability to learn new computer programs as necessary
- Strong organizational skills
- Ability to communicate well both verbally and in writing
- Willingness and ability to work cooperatively with peers at SBBG and other institutions
- Support for the Garden's mission and goals

Minimum qualifications and Experience:

- Bachelor's degree from an accredited four-year college or university in biology, ecology, botany, environmental science, conservation biology, or closely related area
- Three or more full-time years (or equivalent) of relevant experience (more experience preferred)

Certificates and Licenses:

- Must have valid California Driver License and maintain an acceptable driving record

Physical Requirements:

Must be capable of occasional strenuous physical work including:

- Sitting for up to 2.0 hours at a time and using computer for lengthy periods
- Standing/walking for extended periods of time
- Bending, squatting, walking stairs, and hiking rugged trails
- Safely lifting and carrying 40 lbs.
- Tolerance of an outdoor work environment. Exposure to indoor and outdoor environmental conditions, including temperature fluctuations, rain, dust, allergens, poison oak, insects, wild animals, and sun exposure

Expected Timeline

An ideal candidate for this position will be available to begin work in late March or early April 2019.