

Geographic Information System Manager

Put your passion for the desert to work. To apply for an open position, please forward resume and letter of interest to hr@dbg.org, fax to: 480.481.8173, or mail to:

Human Resources
Desert Botanical Garden
1201 N. Galvin Parkway
Phoenix, AZ 85008

Full-time, exempt

The Geographic Information System (GIS) Manager will administer Desert Botanical Garden's enterprise geographic information system, comprised of ArcGIS Pro, ArcSDE geodatabase, ArcGIS Online, ArcGIS Hub, Collector app, Story Maps, survey equipment, a plotter and will support dozens of basic GIS users throughout the Garden.

The GIS Manager position contributes to the Garden's mission "to advance excellence in education, research, exhibition and conservation of desert plants of the world."

DUTIES AND RESPONSIBILITIES:

- Management of mapping activities at the Garden using appropriate geospatial technologies
- Providing GIS support and creative input for the Garden's Living Collections Management System (livingcollections.org)
- Basic database design and ArcSDE geodatabase administration
- Collaboration with the IT Department and Esri technical support to upgrade, maintain, troubleshoot, and build new GIS functionality
- Participates in collaborative research/conservation projects, including map production, spatial analysis, and co-authorship of publications
- Design and maintenance of web maps for all departments
- Oversight of GIS and GPS software subscriptions, equipment maintenance, purchases and budget
- Training of relevant Garden staff to use ArcGIS Pro, web maps and mobile mapping equipment
- Contribution to the ASU/DBG joint Plant Conservation Biology MA program through teaching and GIS expertise

JOB REQUIREMENTS:

1. Bachelor's degree in geographic information systems, geographic information science, geography or related field (masters degree preferred) or degree in STEM field with demonstrated GIS experience and expertise.

2. Minimum three years professional GIS experience in an Esri environment.
 3. Familiarity with ArcGIS Pro, ArcGIS Server, ArcSDE geodatabases, ArcGIS Online, Collector for ArcGIS app and Microsoft Excel.
 4. Experience working with datums, map projections and coordinate systems.
 5. Familiarity with editing tools, geoprocessing tools, SQL queries and cartographic functions in ArcGIS Pro (ArcPy scripting a plus).
 6. Background and/or proven interest in biology, botany, ecology or conservation.
 7. Ability to quickly learn botanical and utility concepts and terminology including plant ID.
 8. Strong analytical, problem-solving, communication, organizational and project management skills.
 9. Ability to manage and prioritize multiple ongoing projects.
 10. Ability to quickly learn to use survey grade GPS and new GIS/GPS technologies that become available.
 11. Ability to hike with 5-10 lb. mapping equipment year round in desert terrain (steep terrain, spiny plants, extreme heat)
 12. Strong interpersonal skills and ability to work well as a team member in a collaborative environment.
-

Desert Botanical Garden is an Equal Opportunity Employer and considers all applicants without regard to race, religion, color, sex, gender identity and/or expression, sexual orientation, marital or parental status, age, national origin, veteran status, disability or any other status protected by law.

The Garden fosters and supports workplace diversity, equity and inclusion to honor the unique perspectives, experiences and contributions of all, to celebrate successes and to cultivate individual and institutional excellence.

The benefits of regular employment at Desert Botanical Garden include a stunning environment, competitive benefits package, complimentary family membership, employee cultural exchange, wellness initiatives and discounts.