

GIS Specialist Position

Purpose:

Support the Forestry Services Division of the Oklahoma Department of Agriculture, Food and Forestry in all levels of GIS activities primarily in the area of forest protection and forest management.

Essential Duties and Responsibilities:

Candidate must be able to multitask and work in a time sensitive environment. Duties may include everything from data development and documentation to training of field staff in GPS and basic GIS. Cartographic skills are essential as well as the ability to articulate and document procedures.

Qualifications:

- Background in forestry, environmental science, fire ecology, planning or geography
- Experience with Natural Resources
- Excellent technical skills
- Knowledge of relational database design preferably having knowledge of Oracle, Microsoft Access or SQL Server.
- Knowledge of ESRI software:
 - ArcGIS 9: ArcInfo Desktop, Arc Editor or ArcView
 - ArcPad a plus
 - ArcIMS a plus
 - ArcGIS Server a plus
 - Experience with ARCVIEW 3.x a plus
- Knowledge of Trimble GPS software a plus:
 - Pathfinder Office
 - Terra Sync

Education and Experience:

Requirements at this level consist of:

A bachelor's degree with at least 20 semester hours in a physical, natural, or biological science, chemistry, geology, hydrology, geography, epidemiology, computer science, environmental science, environmental health, public health, urban planning, or civil, agricultural, environmental, geological or chemical engineering.

Or

An equivalent combination of education and experience, substituting one additional year of qualifying experience for each year of the required education.

Major Tasks:

- Design, analysis and support for Oklahoma's Forest Resource Assessment Project (This is a two year REQUIRED project for the USFS upon)

- Analysis and support for Forest Legacy assessment (USFS)
- Liaison (as a part of a two person team) to the Southern Group of State Foresters GIS Task Force
- Liaison to USFS Forest Health Technologies Enterprise Team
- Support (including modification, analysis, and training) for Southern Wildfire Risk Assessment (SGSF/USFS)
- Support (including modification, analysis, and training) for Southern Forest Lands Assessment (SGSF/USFS)
- Design, implementation and support for geospatial systems required by USFS for accomplishment reporting in forest management, urban forestry, forest health, wildland fire. (This includes the use of WinDET/WebDET)
- Design, implementation and support for systems necessary to provide assistance to communities with regards to tree/forest damages resulting from catastrophic events.
- Investigate and support forest management modeling systems (such as Forest Vegetation Simulator)
- Development, implementation and support of geospatial systems necessary to integrate wildland fire dispatching
- Provide support for GIS Forestry Viewer
- Wildland fire reporting including mapping large fires and provide training on and support of GeoMAC.
- Development, implementation and support for Southern Pine Beetle aerial digital mapping system (USFS Grant)
- Development, implementation and support of forest health monitoring/mapping system (USFS)
- Development and support of an integrated prescribed fire smoke management process using available USFS geospatial tools.
- Implementation and support of FARSITE (Wildland fire fuels modeling system)
- Development, implementation and support of systems for fuels mapping project (USFS Grant)
- Implementation and support of LandFire (Landscape Fire and Resource Management Planning Tools Project)
- Support and development as a part of the Forest Stewardship program (USFS)
- Wildland fire support (requires training provided by USFS)

Salary Range:

\$2382.50 to \$3333.00 (Monthly)

Contact:

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