



# GIS Analyst

**Overview:** *Collects, analyzes, and visualizes geographic data to help organizations make informed decisions based on spatial patterns and relationships.*

## Interests & Skills



Data Analysis



Spotting Details



Critical thinking

## TxDOT Average Salary

\$84,542/year

## Growth Rate (TX)

29%



Interested in learning more?



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\*Data provided by Texas Education Agency LWDA via Texas Workforce Commission

# GIS Analyst

For more details, visit [onetonline.org](http://onetonline.org) and enter SOC code 15-1299.02.



## Entry Points:

- Volunteering
- Community service projects
- Academic projects



## Education Required:

- Bachelor's degree in geography, GIS or related field, preferred



## Skills/Competencies:

- GIS and mapping
- Project and team leadership
- Operational and safety practices
- Technical and analytical ability to communicate effectively



## Work-based Learning:

- STEM company internships
- Job shadowing
- Positions that require supplemental mapping



## Emerging Skills:

- Programming and automation
- Web GIS and cloud platforms
- AI and machine learning integration



## Available Credentials:

- GIS certification
- GIS Professional (GISP)

## Exit Opportunities:

- Web GIS Developer
- Database Administrator
- Project Manager
- Platform Administrator



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