



STEM Careers

Geographic Information Systems Technician

Job Description: Assist scientists and other professionals in using geographic information systems (GIS) databases.

What does a GIS Systems Technician do?

- Prepare representations of GIS data, using GIS hardware or software
- Analyze GIS data to identify spatial relationships or display the results of analyses
- Maintain GIS databases
- Review data for accuracy, usefulness, currency, quality, or completeness
- Analyze GIS data for urban planning applications that promote better land use
- Use GIS data to determine the best locations for renewable energy sites
- Apply GIS data in transportation settings by determining the best route for energy consumption or reducing pollution

Your Interests:

- Do you like working with software?
- Do you like using data to solve problems?
- Are you interested in work relating to the environment?
- Do you like analyzing data and creating visual representations?

Outlook: **Green, Bright**

Average Salary - \$42.57 hourly, \$88,550 annual

Projected Job Openings - 35,700 over the next 10 years.

Education/Program of Study:

- Most, but not all, require a 4-year bachelor's degree.
 - Possible degrees could be in Environmental Science, Geography, Computer Science, or other related fields

Sources:

<https://www.onetonline.org/link/summary/15-1199.05>

<https://www.environmentalscience.org/career/gis-technician>