Geoscientist

CLASS TITLE	CLASS CODE	SALARY GROUP	SALARY RANGE
GEOSCIENTIST I	2360	B21	$54,278 - $87,046
GEOSCIENTIST II	2364	B23	$61,184 - $99,658
GEOSCIENTIST III	2365	B25	$69,572 - $114,099
GEOSCIENTIST IV	2366	B27	$84,182 - $142,374

GENERAL DESCRIPTION

Performs geosciences work involving reviewing or evaluating designs and reports; preparing plans, estimates, and calculations; performing inspections; and collecting data.

EXAMPLES OF WORK PERFORMED

Conducts geological, geochemical, geohydrological, and geophysical field studies and surveys; gathers samples; and analyzes and interprets information.

Conducts drilling and test programs used to collect data for research or application.

Conducts geoscientific studies to provide information for use in regional development, resource management, environmental investigations, land use, site selection, and development of other projects.

Collects, analyzes, and interprets geological, geochemical, geohydrological, and geophysical information from sources such as survey data, rock samples, well logs, boreholes, and aerial photos.

Collects technical data, analyzes findings, and helps develop recommendations for programs or projects.

Conducts inspections for compliance with laws and specifications.

Researches laws, regulations, and policies and responds to the public and other governmental agencies.

Reviews and evaluates geology reports, test reports, studies, and data and develops recommendations for programs or projects.

Maintains and prepares records and analytical reports and provides recommendations for courses of action.

Implements technical projects; reviews and evaluates designs and reports; and prepares plans, estimates, and calculations.

Performs related work as assigned.

DESCRIPTION OF LEVELS

Examples of work and descriptions are meant to progress through the levels. For example, an employee at level IV may also perform work listed within the previous levels.

GEOSCIENTIST I: Performs complex (journey-level) geosciences work. Work is performed under general supervision, with limited latitude for the use of initiative and independent judgment. Employees at this level may routinely assist others in performing work of greater complexity and provide guidance to others.

***Note**: Any senior-level employee (levels II-IV) can serve as a team lead or supervisor; however, supervisory responsibilities within this job classification series will normally be found at levels III and IV. Senior-level employees may perform the full range of work listed in the examples above and may coordinate or oversee that work for others. Factors that may distinguish between senior levels include the scope of responsibility and oversight, the complexity of the work performed, and the employee's related experience, education, and certifications.*

GEOSCIENTIST II: Performs highly complex (senior-level) geosciences work. Work is performed under limited supervision, with considerable latitude for the use of initiative and independent judgment. Employees at this level may:

- Coordinate the inspection, testing, and evaluation of data for compliance with laws and specifications.
- Plan and coordinate the execution of technical projects; review and evaluate designs and reports; and prepare plans, estimates, and calculations.
- Interpret and review geological, geochemical, geohydrological, and geophysical information.
- Plan and conduct geological, geochemical, geohydrological, and geophysical field studies and surveys to provide information for use in regional development, resource management, environmental investigations, land use, site selection, and development of other projects.
- Review the activities of contractors, operators, and civic authorities.
- Prepare, review, and evaluate geology reports, test reports, studies, and technical data and develop recommendations for programs or projects.

GEOSCIENTIST III: Performs advanced (senior-level) geosciences work. Works under minimal supervision, with considerable latitude for the use of initiative and independent judgment. Employees at this level may fully perform highly complex geoscientist work and may:

- Oversee the inspection, testing, and evaluation of data for compliance with laws and specifications.
- Oversee the execution of technical projects; review or evaluate designs; and prepare plans, estimates, and calculations.
- Coordinate the analysis and interpretation of geological, geochemical, geohydrological, and geophysical information.
- Coordinate the gathering of samples and/or coordinate drilling and test programs used to collect data for research or application.
- Develop and lead geological, geochemical, geohydrological, and geophysical field studies and surveys.

- Interpret laws, regulations, and policies and respond to the public and other governmental agencies.

GEOSCIENTIST IV: Performs highly advanced (senior-level) geosciences work. Works under minimal supervision, with extensive latitude for the use of initiative and independent judgment. Employees at this level may independently perform the most complex geoscientist work and may:

- Oversee the analysis and interpretation of geological, geochemical, geohydrological, and geophysical information.
- Oversee geological, geochemical, geohydrological, and geophysical field studies and surveys.
- Oversee the gathering of samples and/or the drilling and test programs used to collect data for research or application.
- Review and evaluate geology reports, test reports, studies, and technical data and develop recommendations for programs or projects.

GENERAL QUALIFICATION GUIDELINES

EXPERIENCE AND EDUCATION

Experience in geosciences work. Graduation from an accredited four-year college or university with a bachelor's degree in geology, geophysics, soil science, or a related field that meets the requirements for licensure.

KNOWLEDGE, SKILLS, AND ABILITIES

For all levels

- Knowledge of geosciences principles, techniques, and procedures; testing methods, processes, and procedures; mathematics and statistics; and the practical application of geosciences and technology.

- Skill in scientific data management; in collecting and assessing geological, geochemical, geohydrological, and geophysical data; in applying modeling and statistical procedures; in conducting laboratory tests; in the use of a computer, geographic information system (GIS) applications, and other applicable software; and in the use of standard tools of the profession.

- Ability to plan and coordinate projects, to conduct inspections, to apply geological concepts, and to communicate effectively.

Additional for Geoscientist II level

- Ability to oversee and/or supervise the work of others.

Additional for Geoscientist III - IV levels

- Ability to plan and oversee projects and oversee and/or supervise the work of others.

REGISTRATION, CERTIFICATION, OR LICENSURE

Must be licensed as a Professional Geoscientist by the Texas Board of Professional Geoscientists in accordance with Texas Occupations Code, Chapter 1002, and Title 22, Texas Administrative Code, Chapter 851.