

New York State Department of Civil Service
DIVISION OF CLASSIFICATION & COMPENSATION

Classification Standard

Occ. Code 5150100

Land Surveyor Technician 1, Grade 13	5150100
Land Surveyor Technician 2, Grade 16	5150200

Brief Description of Class Series

Land Surveyor Technicians conduct measurements of space, water, land, and structures to determine boundaries, areas, elevations, alignments, and locations. Incumbents assist in the surveying, research, and investigation of State land boundaries and title research.

Distinguishing Characteristics

Land Surveyor Technician 1: entry level; records, produces, and processes survey data; and assists in determining property line and highway boundary locations.

Land Surveyor Technician 2: performs more difficult survey tasks; and supervises and trains field crews.

Related Classes

Engineering Technicians assist field and office engineering and higher-level engineering technician staff by performing technical duties in support of engineers, or construction or engineering programs.

Drafting Technicians trace and copy finished drawings and make drawings of equipment, structures, and facilities involving easily visualized details which fit familiar patterns. Technicians select and utilize appropriate drafting tools, instruments, and materials and follow accepted drafting procedures and methods. Incumbents work under the supervision and direction of higher-level technicians, engineers or architects who provide detailed instructions on new or unusual assignments including scale and other information needed to complete the assignment, with specific reference to appropriate technical materials and similar drawings done in the past.

Illustrative Tasks

Land Surveyor Technician 1

Investigates and examines the evidence of real property locations in the field.

Makes precise field measurements by operating modern terrestrial, geodetic surveying, and geographic positioning system instruments.

Plots survey results to create detailed base mapping; assists with work zone safety.

Records, reduces, and processes survey data.

Assists with the research of records relating to the ownership and location of real property.

Prepares survey maps for acquiring and managing state interest in real property and/or prepares digital terrain models and base mapping for the design of capital projects.

Land Surveyor Technician 2

May perform any of the duties enumerated for Land Surveyor Technicians 1.

Investigates and examines field evidence for real property locations.

Performs more difficult surveying tasks for processing, balancing, and transforming horizontal and vertical control.

Supervises and trains field crews in the operation of modern terrestrial, geodetic surveying, geographic positioning system instruments, proper field survey procedures, and work zone safety.

Records, reduces, and processes survey data.

Assists in determining property line and highway boundary locations.

Performs research of records relating to the ownership and location of real property.

Prepares survey maps for acquiring and managing state interest in real property.

May plan and schedule work assignments for specific projects, and research records relating to the ownership and location of real property.

Minimum Qualifications

Land Surveyor Technician 1

Open Competitive: two years of experience in land surveying that includes conducting measurements of space, water, land, and structures to determine boundaries, areas, elevations, alignments, volumes, and locations and performing evaluation and analysis of field data and researching public and private land records; or an associate's degree or higher in a related field.

Land Surveyor Technician 2

Promotion: One year of service as a Land Surveyor Technician 1.

Open Competitive: Four years of experience in land surveying that included conducting measurements of space, water, land, and structures to determine boundaries, areas, elevations, alignments, volumes, and locations and performing evaluation and analysis of field data and researching public and private land records.

Substitution: Associate's degree or higher in a related field may substitute for two years of experience.

Note: Classification Standards illustrate the nature, extent, and scope of duties and responsibilities of the classes they describe. Standards cannot and do not include all the work that might be appropriately performed by a class. The minimum qualifications above are those required for appointment at the time the Classification Standard was written. Please contact the Division of Staffing Services for current information on minimum requirements for appointment or examination.

7/2024

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