



Land Surveyor in Training (LSIT)

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Furtado & Associates, Inc. (F&A) is a leading consulting engineering, land surveying and construction management firm in Seattle, WA. We are a small, privately held firm that works on transportation infrastructure projects throughout the Puget Sound area, including Sound Transit's Link Light Rail Extensions and numerous projects for WSDOT and SDOT. Our busy office currently has an opportunity for a professional and experienced individual to fill the role of Land Surveyor in Training (LSIT). In this position you will be responsible for corresponding with 2 to 4 survey crews comprised of Field Team Leads, Party Chiefs, Survey Technicians and Field Surveyors. This is an excellent opportunity for the right individual to join an established and dynamic organization that is experiencing significant growth.

Job summary:

This position works directly with the professional land surveyor (PLS) assisting in processing data, research, setting boundaries, and redlining exhibits. A PLS will review all final work done by the LSIT and will give final approval to place their seal or provide corrections and mentorship on how to find the solution. Through this position one shall gain the experience required to pass the necessary exams and pursue licensure as a professional land surveyor.

Job responsibilities will include, but are not limited to (reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions):

- Searching legal records, survey records, and land titles to obtain information about property boundaries in areas to be surveyed
- Prepare and maintain sketches, maps, reports, and legal descriptions of surveys to describe, certify, and assume liability for work performed
- Direct or conduct surveys to establish legal boundaries for properties, based on legal deeds and titles
- Write descriptions of property boundary surveys for use in deeds, leases, or other legal documents
- Prepare or supervise preparation of all data, charts, plots, maps, records, and documents related to surveys
- Compute geodetic measurements and interpret survey data to determine positions, shapes, and elevations of geomorphic and topographic features
- Determine longitudes and latitudes of important features and boundaries in survey areas using theodolites, transits, levels, and satellite-based global positioning systems (GPS)
- Record the results of surveys including the shape, contour, location, elevation, and dimensions of land or land features
- Establish fixed points for use in making maps, using geodetic and engineering instruments
- Coordinate findings with the work of engineering personnel, clients, and others concerned with projects
- Plan and conduct ground surveys designed to establish baselines, elevations, and other geodetic measurements
- Develop criteria for survey methods and procedures
- Analyze survey objectives and specifications to help prepare survey proposals
- Determine specifications for photographic equipment to be used for aerial photography, as well as altitudes from which to photograph terrain
- Conduct research in surveying and mapping methods using knowledge of techniques of photogrammetric map compilation and electronic data processing
- Provide work to PLS for review and approval



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Qualifications & Requirements:

- Degree in Land Surveying/Geomatics (preferred)
- Passed the Fundamentals of Surveying exam
- Registered or able to register as an LSIT
- Must have a high-level competence in good field note taking, managing a crew, running the equipment and training newer staff to familiarize and educate them on field surveying principles
- GPS experience is a plus
- CAD experience a must
- Must be able to perform job duties in various terrain and climates
- Ability to prepare maps, drawings, reports and exhibits from compiled field data and notes
- Ability to understand and follow both oral and written instructions and sketches
- Autodesk Civil 3D experience
- Experience with point clouds and lidar
- Coordinate calculations and translations
- Problem solving/analysis
- Survey control network adjustments

Required Education and Experience:

Knowledge of: principles and practices of land surveying, including boundary determination, legal descriptions, construction, topographic surveying, and GIS; field surveying practices and techniques, including electronic total station, data collector, network control stations, and GPS/GNSS measuring equipment; laws, rules, and regulations regarding subdivisions of land, boundary locations, mapping, and surveying practices, including the Professional Land Surveyor's Act; principles of algebra, geometry, and trigonometry as used in field survey analysis; technical report writing; including the use of lidar data in mapping; experience using aerial images.

Ability to: assign, prioritize, schedule, and delegate work when asked; explain technical concepts to others; provide constructive feedback; direct, train, and evaluate the performance of staff; promote safety in all phases of our work; work independently; read and interpret engineering plans; collect, calculate, and adjust mathematical computations such as distances, traverses, and elevations; analyze data; operate and maintain complex precision surveying instruments, engineering calculators, and personal computers; perform difficult algebraic, geometric, trigonometric, and precise engineering calculations; communicate effectively orally and in writing; and establish and maintain cooperative working relationships with engineers, developers, clients, and the general public.

Work Environment:

Work is performed primarily in an office environment. Outdoor work may be conducted along roadways, rivers, in the woods/brush, along the shoreline, in or around utility infrastructure and in or around private property. Occasional regional day travel may be required.

Benefits and Compensation:

We are a small business offering big business benefits, including competitive compensation (depending on experience) with medical, vision, dental, and life insurance, 401(k) (with company contributions), and paid vacation, sick leave, and holidays.



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EEO Commitment:

Furtado & Associates, Inc. an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, age, national origin, disability or veteran status.

Salary Range:

\$42.00 - \$55.00/hour