Where Ships Climb The Mountain...

Thorold

JOIN OUR TEAM

GIS Technician

Working for City of Thorold

By joining the City of Thorold team, you will be choosing to become part of one of the fastest growing municipalities in the beautiful Niagara Region. Working with us means a great pension, a competitive benefits package and a supportive and collaborative team environment. We invest in our people and prioritize creating opportunities for our employees to learn and grow in their roles.

Primary Function

Reporting to the Manager of Planning Services, the GIS Technician will support the ongoing maintenance and dissemination of data and applications in the GIS environment. The role will support business areas with requirements gathering, geospatial analysis and the creation of required outputs. The GIS Technician will work with various municipal departments to ensure that their needs for GIS Information are met on a day-to-day basis.

Duties and Responsibilities

- Performs all aspects of GIS activities associated with collecting/creating, managing, mapping, editing and analyzing spatial data
- Conduct data conversions, migrations, and processing using measures to enforce data integrity, developing methods, investigating anomalies and ensuring metadata and spatial data standards are maintained; In particular, experienced moving data between AutoCAD and GIS systems
- Ensure that quality assurance on new or revised data conforms to all applicable standards and policies
- Provides technical guidance and support to internal and external staff as required to ensure compliance with current and future data standards. Responsible for managing how various technical staff collect and track data
- Facilitate data linkages between various applications and databases
- Review existing workflows and processes and recommend modifications to drive efficiency and meet the needs of the Corporation
- Acts as a subject matter expert when part of a project team. Provide direction and guidance on the use of GIS applications and analyses for process improvements, decision–support, usability and accessibility
- Contribute to the preparation of requests for proposals for GIS related consulting services
- Coordinates third party activities, ensuring standards, policies and procedures are followed, monitoring compliance with requirements set out under the contract, maintaining records and providing reports on progress and issues.
- Research, develop and produce superior custom cartographic products on a project by project basis, or as requested.

- Produce technical workflow documentation such as process mapping, create metadata, generate written reports and present project results.
- Provides software support, training, evaluation, installation and updating for GIS and related applications
- Provide service to customers requesting drawings, mapping and other spatial information
- Support the Emergency Operations Centre as needed
- Other related duties or activities as assigned by the Manager

Education/Experience/Skills

- Post-secondary degree or diploma in Computer Science, Geomatics, Geographic Information Systems, Geography, Earth Science or related field of study.
- Minimum 2-3 years' experience working with GIS, databases, and AutoCAD, preferably within the public sector
- Experience and knowledge working with data sources such as Municipal Property Assessment Corporation, Teranet, Statistics Canada, Land Information Ontario, etc.
- Experience with addressing and street-naming processes and standards
- Experience with GIS map production, spatial data standards, systems integration and associated software, specifically ESRI & Microsoft products.
- Proficient with the ESRI suite of GIS products such as ArcGIS Pro, ArcGIS Enterprise and ArcGIS Online
- Ability to understand and work with web services, REST API, Python, JavaScript, Silverlight, HTML5, ArcXML, SQL Server & ArcSDE considered an asset
- Knowledge of general database concepts.
- Strong organizational, time management and interpersonal skills;
- Proficient with core GIS data maintenance including roads, addresses, parcels, official plan and zoning layers
- Expertise with GIS metadata principles, practices and maintenance;
- Expertise in data gathering and analysis, including statistics and geostatistics
- Strong work ethic; diplomatic; team and service oriented; builds strong working relationships
- Sound independent judgment and problem-solving ability
- Excellent verbal and written communication skills, including ability to write reports that summarize spatial analyses and communicate findings with charts, tables and narrative
- Ability to serve as a GIS project leader including development of technical approach, scheduling, and quality assurance
- Experience in analysing spatial data in a municipal environment and translating client requirements into appropriate GIS reports and thematic maps;

Conditions of Employment

This position is required to work within an office environment, the continuous repetitive use of a keyboard at a constant working speed involving mental and visual concentration with frequent interruptions. Some overtime may be required.

The above statement reflects the principal functions and duties as required for proper evaluation of the job. Other related duties can only be considered part of the job if they directly relate to the primary function contained herein.

Location: Development Services Location, Thorold.

Rate of pay: $36.28 - $38.07 per hour (2026 rates)

Position Type: Full-time, permanent, unionized position

Vacancy Type: Existing

Hours of Work: 35 hours per week, 8:30am - 4:30pm, Monday to Friday

Interested candidates are invited to submit their detailed resume and cover letter to the Human Resources department, via hr@thorold.ca no later than **Sunday December 6, 2026.** Please indicate the position you are applying to in the email subject line. Only those applicants selected for an interview will be contacted.

In accordance with the Accessibility for Ontarians with Disabilities Act and the Ontario Human Rights Code, the City accommodates the individual needs of all applicants with disabilities throughout the recruitment, selection and/or assessment process. If selected to participate in the recruitment, selection and/or assessment process, please inform staff of the nature of any accommodation(s) that you may require.

Information is collected under the authority of the Municipal Freedom of Information and Protection of Privacy Act and will be used for employment assessment purposes.