

Water Resources Engineering Co-op

LOCATION: 100 Thames Street, Chatham, ON, N7L 2Y8

DEPARTMENT: Watershed and Information Services

REPORTING TO: Manager, Watershed and Information Services

DATE POSTED: 2024-07-12

CLOSING DATE: 2024-08-30

APPROXIMATE START DATE: 2024-09-09

POSITION TYPE: 4 to 8 month Co-op

PURPOSE OF POSITION:

This position will provide an exciting opportunity for a high-energy team player with excellent communications and technical skills. The successful applicant will support the Lower Thames Valley Conservation Authority's (LTVCA) Watershed and Information Services department with the provision of water resources engineering expertise. The primary objective of the Co-op is to support engineers in a number of aspects of special projects and engineering input into the planning and regulations programs of the authority. The first major special project will involve working with staff to complete a flood plain delineation and flood risk management plan.

SPECIFIC RESPONSIBILITIES:

- Carry out flood plain mapping studies including modelling and reporting.
- Provide engineering support in review services to the Authority's Planning and Regulations departments including technical review of:
 - Stormwater management plans/reports
 - Erosion and siltation control plans, and
 - Flood control plans/reports.
- Provide assistance to special projects including:
 - Tender writing, letting, awarding and management
 - Contract development and management
 - Proposal writing and development
 - Reporting to board and municipalities
 - Project administration, management and reporting
- Undertake hydrologic, hydraulic, and civil engineering computations
- Assist in development and adhere to budget items relating to program areas of responsibility
- Assist in collection of field data in support of Authority's programs
- Attend municipal council meetings on Authority's behalf.
- Remain current in GIS technology and provide assistance in this program.



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- Assist with major initiatives development through technical review and input.
- Carryout other duties as assigned by the Watershed and Information Services Manager.

QUALIFICATIONS:

- Working towards a degree and be in good standing in water resources engineering or a related engineering discipline.
- Knowledge in hydrology and hydraulic modelling.
- Knowledge of municipal planning, current water/environmental management principals, and technologies including relevant federal and provincial legislation.
- Working to become a member of the Association of Professional Engineers of Ontario
- Knowledge of project management and administration
- Ability to work effectively with the public.
- Excellent computer skills – e.g. AutoCAD, ArcInfo, spreadsheets, hydrologic and hydraulic models (e.g. HEC-RAS, VO, PCSWMM) word processing, spreadsheets and data bases.
- Ability to compose correspondence, reports, presentations, and media releases using clear and concise language.
- Excellent verbal, written communication and interpersonal skills.
- Reliable and capable of working well independently, while effectively communicating with project team members.
- Effective at managing multiple projects, prioritizing tasks, and delivering results on schedule.
- G Class Drivers License (Mandatory).

COMPENSATION & HOURS:

Wage: \$30.00/hour

Weekly Hours: 35 Hours

Please send a resume and cover letter noting this position to:

Lower Thames Valley Conservation Authority
100 Thames Street
Chatham, ON, N7L 2Y8
Fax: 519-352-3435
Email: careers@ltvca.ca

We thank all applicants for their interest. However, only those selected for an interview will be contacted.

LTVCA is an equal opportunity employer in accordance with the Accessibility for Ontarians with Disabilities Act, 2005 and the Ontario Human Rights Code. LTVCA is committed to providing accommodations throughout the recruitment, selection and/or assessment process to applicants with



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disabilities. If you require disability related accommodations, please notify us and we will work with you to meet your needs. Personal information provided is collected under the authority of the Municipal Freedom of Information and Protection of Privacy Act.