

Recruitment Details

The City of Winnipeg is a vibrant and dynamic organization with many opportunities!
We offer a diverse and welcoming work environment that delivers quality services to our citizens.

Professional Engineer Designate – Engineer In Training

Water and Waste Department (Engineering Services)

Posting No: 117264

Closing Date: November 13, 2018

Job Profile

The Professional Engineer Designate – Engineer in Training (E.I.T.) will undertake a variety of engineering assignments for their respective Branch Head including: administering data collection programs; data analysis; preparing reports and presentations; field inspections, investigations, and surveys; water/wastewater/land drainage modeling, design, and capital and operational cost estimates; GIS/data querying and responding to customer concerns and/or requests for information. The E.I.T. will rotate through the Engineering Services (Water/Wastewater/Land Drainage and Flood Protection/Design and Construction/Asset Management/Customer Technical Services branches), Water Services and Wastewater Services Divisions on an annual basis to develop a broad understanding of application of engineering skills and receive mentoring from a professional engineer. The duties and skills learned are intended to provide the E.I.T. with the work experience required for eligibility to register as a professional engineer.

As the *Professional Engineer Designate – Engineer in Training* you will:

Under the supervision of a Professional Engineer -

1. Assist in the planning, maintenance and operation of the City's water distribution and treatment/wastewater collection and treatment/land drainage and flood protection systems to ensure the level of service being provided is at acceptable and expected standards.
2. Undertake engineering design, project management and/or contract administration for capital and operational projects, including the preparation of bid documents and capital and operational cost estimates.
3. Perform engineering analyses, calculations and hydraulic modeling to assess designs for wastewater loadings, water and wastewater treatment system performance, water pressures, depth of cover, flow, headloss, capacity, surcharge, flood protection levels, and infrastructure condition assessments.
4. Provide recommendations with respect to design alternatives, capital costs, operational costs, and operational risk and customer impacts ensuring the proposed design minimizes impacts to the environment, waterways, and aquatic habitat.
5. Assist in design review of proposed modifications to existing infrastructure and new development proposals to ensure designs comply with City servicing criteria and minimize customer, operational and environmental impacts.

6. Review design documents, as-built drawings, field survey data, property data and utility data for conflicts with proposed works.
7. Administer field data collection and monitoring programs to assess and optimize system performance.
8. Review and become familiar with all relevant licensing requirements under which facilities operate.
9. Provide customer service, respond to customer and councillor inquiries and maintain positive working relationships with internal and external contacts.
10. Provide written reports and presentations to document engineering analyses, recommendations and system performance of the water distribution/wastewater collection and treatment/land drainage and flood protection systems.
11. Perform other related duties consistent with the position as assigned.

Your education and qualifications include:

1. Must have a Bachelor of Science degree in Engineering.
2. Must be eligible to be registered as an Engineer in Training with the Engineers Geoscientists Manitoba (E.G.M.) within 3 months.
3. Ability to prepare engineering reports and make recommendations.
4. Basic knowledge of the municipal wastewater, water, and land drainage systems.
5. Demonstrated communication and interpersonal skills, including written and group presentation skills.
6. Demonstrated ability to operate a personal computer using Microsoft Office (e.g. Outlook, Word, Excel).
7. Demonstrated ability to establish and maintain positive working relationships with employees at all levels of the organization, external contacts and the public, in accordance with the Respectful Workplace Standard.
8. Knowledge of economic analysis methodologies.
9. Ability to work effectively in a group setting and independently.
10. Analytical and problem solving skills with the ability to be flexible and active in developing innovative methodologies.
11. Organizational and project planning skills to plan, organize, prioritize and coordinate work and resources with a high degree of independence.
12. Demonstrated knowledge of specific operating, maintenance and work processes used for water distribution, wastewater collection, land drainage and flood protection and design and construction.
13. Demonstrated knowledge of the Water, Sewer, Lot Grading By-Laws.
14. Ability to work extended hours in emergency situations.

Conditions of employment:

1. Must possess and maintain a valid Class 5 Manitoba Driver's Licence.
2. A Police Information Check satisfactory to the employer will be required from the successful candidate, at their expense.

CORE COMPETENCIES for ALL EMPLOYEES OF THE CITY OF WINNIPEG:

- Citizen & Customer Focus
- Respecting Diversity
- Ethics and Values
- Integrity and Trust
- Results Oriented

How To Apply

APPLY ONLINE, including all documentation listed below:

1. Current resume AND Application Form (**Required**).

Applications submitted without REQUIRED documentation will not be considered.

If you do NOT have access to a computer/email, please apply, including all documentation listed above, to: Staffing Branch, HR Services, Main Floor – 510 Main Street, Winnipeg, MB by **4:30 P.M., November 13, 2018.**

Notes

Online applications can be submitted at <http://www.winnipeg.ca/hr/>. For instructions on how to apply and how to attach required documents please refer to our [FAQ's](#) or contact 311. The City of Winnipeg uses the [Korn Ferry Leadership Architect Competency Model](#) as part of the recruitment process.

The salary range for this position is \$2,328.61 - \$2,703.39 bi-weekly.

We have great benefits and competitive salaries, and we are committed to ongoing learning and career development!

WE SEEK DIVERSITY IN OUR WORKPLACE. INDIGENOUS PERSONS, WOMEN, VISIBLE MINORITIES, AND PERSONS WITH A DISABILITY ARE ENCOURAGED TO SELF-DECLARE.

Only candidates selected for interviews will be contacted. Requests for Reasonable Accommodation will be accepted during the hiring process.