

Uplift

YWCA Hamilton Uplift Program - Data Science

The YWCA Hamilton Uplift Program provides women and non-binary people the opportunity to reskill or upskill in the advanced manufacturing and specialized technology fields through certification training and additional supports related to navigating non-traditional workplaces and job development. All training expenses are covered by the program, and paid by YWCA Hamilton.

Participants in the Data Science stream complete a certification training in Data Science through the University of Guelph and an interpersonal skills course through Brescia University College. During and after certification, YWCA Hamilton provides wraparound services to support participants, including mentorship and job development supports.

Careers in Data Science

- Data scientists utilize their analytical and programming skills to collect, interpret, and analyze very large data sets in order to develop solutions to difficult business challenges.
- Data scientists in Canada typically earn between \$54,000 and \$113,000 annually, with an average salary of \$78,895.
- Key job sectors where data scientists are employed: financial services, insurance industry, government, advanced manufacturing industries, and technology and social media firms.

Participant Requirements

- Women (cisgender or transgender) or non-binary
- Bachelor's degree, diploma or relevant experience
- Canadian citizen or permanent resident
- Canadian Language Benchmark levels 7-8



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Program Details

Beginning November 1, 2021, and completed September 4, 2022, participants will take part in two concurrent online, asynchronous, part time training courses paid for by YWCA Hamilton. During and after training, participants can take part in wraparound services provided by YWCA Hamilton.

1. Data Science Certificate program at University of Guelph

- Participants will learn how to use data analytics, predictive analytics and big data tools to understand the basic technical concepts and challenges of Big Data.
- More program information can be found [here](#).

2. Brescia University College course to support interpersonal skill development

- Course focuses on seven key competencies: communication, critical thinking, inquiry and analysis, problem solving, self-awareness and development, social awareness and engagement, valuing

3. Through wraparound services, YWCA Hamilton will support participants in finding better job opportunities and preparing job application skills. Participants will also get the opportunity to connect with industry professionals in small-group and individual mentor sessions.

To learn more or get involved, contact Carmencita Robles-Messam at cmessam@ywcahamilton.org.