The Visual and Automated Disease Analytics Program

The Visual and Automated Disease Analytics (VADA) Program aims to train the next generation of health, health informatics, and computational science graduate students to translate complex health data into insights that can be used to improve the health of populations and support health care decision making.

Program Skills Development
Students foster skills in software programs such as R, Python and Tableau by working with real datasets and problems. Professional competencies are also developed in:

- Responsible conduct of research
- Communications
- Entrepreneurism
- Project management
- Professional and personal improvement

Program Structure and Length
Students complete The VADA Program in one year (MSc students) or two years (PhD students) while concurrently working toward their Master’s or PhD. The program has four components:

- Foundations of Disease Analytics Course (3 credit hours offered over two semesters)
- Summer School
- Internship (8 weeks for masters’ students and 16 weeks for doctoral students)
- A thesis project focused on data visualization and/or advanced analytics (e.g., statistical or machine learning, network analysis) for chronic or infectious diseases

Financial Support
Master’s students are eligible for one year of funding ($16,000 per year) and PhD students are eligible for up to two years of funding ($19,000 per year).

Who is Eligible to Apply?
To be eligible for The VADA Program, students must be accepted into one of a select number of thesis-based graduate programs (Master’s or PhD) at the University of Manitoba or University of Victoria, AND have a graduate advisor or co-advisor who is a member of the VADA Program faculty team. Participating advisors and graduate programs are from:

- University of Manitoba Departments of Biochemistry and Medical Genetics, Community Health Sciences, Computer Science, Mathematics, Medical Microbiology, and Psychology.
- University of Victoria Department of Computer Science, Department of Mathematics and Statistics, School of Health Information Science, Social Dimensions of Health Program, and Department of Sociology.

Graduate students from other programs within the University of Manitoba or Victoria may be considered, pending consultation with The VADA Program faculty leadership team.

Contact Us Today
Learn more about The VADA Program today by visiting vada.cs.umanitoba.ca or contacting our Program Coordinator:
vada.program@chimb.ca
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Applications open from December 1st to January 31st.