The evolution of information and communication technologies is transforming the health-care system and creating new ways of accessing and exchanging information that will impact the health-care sector. Health-care and information systems professionals currently employed or with experience in a health-care or technology environment, or who have an interest in the advancement of information technologies in the health-care delivery sector, will be interested in this program.

The Health Informatics graduate certificate program brings together professionals in health-related and information technology sectors to develop specialists in health informatics who can respond to the current and emerging needs of health-care systems. This intensive program is designed for IT, health-care or related professionals who aspire to enter into a health informatician/analyst role, or practitioners who wish to enhance their experience with formal education. Participants will be engaged and supported by a team of health informatician/business system analyst professionals and faculty in developing critical skills and competencies in the areas of:

- Health-care systems, technologies and trends
- Ethical, professional, legal and policy implications of health information systems technologies and health information standards
- Problem identification and analysis
- Documenting and analyzing health-care organization, health-user and solution requirements
- Process, workflow and system/solution modelling
- Project management
- Technical writing
- Leadership and management
- Business and system analysis techniques and core-professional competencies such as analytical thinking and problem solving, communication and facilitation, and interactional skills.

The Health Informatics program provides breadth and depth of applied knowledge in the field of health informatics. A key characteristic that sets this graduate certificate program apart is the applied nature of the curriculum. Students will be immersed in the process of health informatics/analysis through case studies, industry projects, and practical work experience, and will be responsible for developing solutions. The uniqueness of this program is in creating graduates with work-ready skills built through applied, hands-on experience.

Graduates of the program will have acquired knowledge, skills and competencies relevant to professional certification programs in Health Informatics/Information and Management Systems.

Graduates will be able to:

- Formulate change strategies to implement appropriate health information systems technologies (HIST) within the health-care setting.
- Apply business and system analysis techniques to evaluate the effectiveness of health information systems technologies within a health-related setting.
- Integrate relevant standards and professional, ethical and legislative requirements with the appropriate health information system technologies.
- Design training and education for the effective use of HIST.

Partnerships with International Institute of Business Analysis (IIBA®)

Academic Membership offers colleges and universities that have Business Analyst curriculums and who care about advancing the Business Analyst profession within their student population to participate in IIBA® membership and benefit from IIBA®’s other products and services.
The Academic recognition programs offer the students of business analyst-related programs the opportunity to receive recognition from the IIBA.

About the IIBA® Academic Certificate

The T402 Health Informatics program integrates core foundational concepts, techniques, and professional competencies as defined within the Business Analysis Body of Knowledge (BABOK®). Graduates of this program with an average of at least 77% will be eligible to receive the IIBA® Academic Certificate in Business Analysis. The IIBA® Academic Certificate in Business Analysis provides an opportunity for anyone considering a career in business analysis with the ability to gain a comprehensive understanding of the fundamentals of the business analyst practice.

To learn more about the IIBA® Academic Certificate in Business Analysis, please visit the IIBA's website³.

EXPERIENTIAL LEARNING

Work Integrated Learning Semester

YOUR FIELD STUDY OPTIONS

Practicums in a health-care environment take place in semester 3.

PROGRAM STANDARDS AND LEARNING OUTCOMES

The graduate has reliably demonstrated the ability to:

1. Assess organizational requirements for health information system technologies (HIST).
2. Formulate strategies for the selection and implementation of HIST.
3. Design and deliver educational/training strategies for end-users.
4. Evaluate the impact of HIST on business/clinical processes, and on health services delivery.

REQUIRED COURSES

SEMMESTER 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS4051</td>
<td>Foundations of Business Analysis</td>
</tr>
<tr>
<td>BUS4053</td>
<td>Business Analysis Competencies and Techniques I</td>
</tr>
<tr>
<td>BUS4054</td>
<td>I.T. Project Management</td>
</tr>
<tr>
<td>BUS4065</td>
<td>Advanced Communications</td>
</tr>
<tr>
<td>COMP4014</td>
<td>Health-Care System</td>
</tr>
<tr>
<td>COMP4015</td>
<td>Health-Care Information Technology</td>
</tr>
<tr>
<td>COMP4080</td>
<td>Knowledge Management and Clinical Decision-Making</td>
</tr>
</tbody>
</table>

SEMMESTER 2

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS4072</td>
<td>Portfolio Development and Work Search Preparation</td>
</tr>
<tr>
<td>COMP4024</td>
<td>Health Data Standards</td>
</tr>
<tr>
<td>COMP4033</td>
<td>Health Information Systems Analysis and Evaluation</td>
</tr>
<tr>
<td>COMP4081</td>
<td>Health Business and Systems Analysis Case I</td>
</tr>
<tr>
<td>COMP4082</td>
<td>The Cutting Edge of Health Informatics Technology and Impact on Clinical Practice</td>
</tr>
<tr>
<td>COMP4083</td>
<td>Health Information Legislation, Privacy and Security</td>
</tr>
</tbody>
</table>

SEMMESTER 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCOP4002</td>
<td>Co-op Work Placement</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>BUS4081</td>
<td>Work Integrated Project</td>
</tr>
</tbody>
</table>

YOUR CAREER

Upon completion of the program, graduates will be able to meet the requirements for positions such as:

- Clinical/IT Project Manager/Project Coordinator
- Product Support Specialist
- Clinical Informatics/Applications Specialist
- Data Governance Analyst
- Health Technology Education/Training Specialist

ADMISSION REQUIREMENTS

- Minimum two-year Diploma or Bachelor's Degree* in Health Sciences or related field from an accredited institution

OR

- Minimum three-year Diploma in Information Technology* or related field from an accredited institution

PLUS:

- Minimum one year of work experience as a health-care professional or an IT professional, or equivalent (resume required)

Candidates will be accepted based on the combination of relevant education and work experience.

* Please note that Domestic applicants who are submitting International transcripts require a Canadian equivalency evaluation. This can be obtained through ICAS (International Credential Assessment Service) at icascanada.ca or WES (World Education Services) at wes.org/ca⁴.

ENGLISH LANGUAGE PROFICIENCY

Applicants with international transcripts who do not provide English language proficiency test results ⁵must test at the College level in the George Brown College English assessment to be considered for admission.
Please visit georgebrown.ca/englishproficiency for more details.

**COURSE EXEMPTIONS**

College or university credits may qualify you for course exemptions. Please visit georgebrown.ca/transferguide for more information.

**APPLY TO**

Domestic students should apply through Ontario Colleges.

---

"I received quality Health Informatics and business analysis training during the course of this program. Besides the amazing faculty that helped me to move forward and excel in different aspects of HI, I had the opportunity to work with prominent technical and business managers that I got to know through the college. The Health Informatics program at George Brown College is perfectly designed to give you hands-on experience in the industry and is a path to success."

Rachel Malaeke (Graduate 2018, Health Informatics)
Senior Business Analyst, Clinical Working Group Lead, SE Health

---

**CONTACT US**

**School of Computer Technology**
Phone: 416-415-5000, ext. 4287
Email: computertechnology@georgebrown.ca
The office hours are:
Monday – Thursday: 8 a.m. – 7 p.m.
Friday: 8 a.m. – 4 p.m.

**Program Co-ordinator: Thérèse Bernier**
Email: Therese.Bernier@georgebrown.ca
Phone: 416-415-5000 x 3744
Office hours: Friday, 10 a.m. – noon
For more information about George Brown College, you may also call the Contact Centre at 416-415-2000 (TTY 1-877-515-5559) or long distance 1-800-265-2002.

**VISIT OUR CAMPUS**

The Health Informatics program is offered through our School of Computer Technology from our Casa Loma Campus at 146 Kendal Avenue. Sign up for an Information Session or Campus Tour to learn more about George Brown College and the program. You can also explore our virtual tour.