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 website.2.

PART TIME STUDY OPTIONS

We also offer part-time programs in Health Records and Health Information Management. See the Continuing Education Course Guide at coned.georgebrown.ca.

FIELD EDUCATION 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. Keep current with relevant local, national and global health care and health information management issues, trends, technologies and standards to support health information management systems and processes and guide professional development.
2. Assess personal health information from individual client visits for accuracy, completeness and consistency using knowledge of biomedical sciences, medical diagnoses and interventions, causes of diseases, and medical terminology, abbreviations and acronyms.
3. Apply current, accurate codes and standards to relevant personal health information from individual client visits using health information, coding, classification and abstracting systems proficiently.
4. Comply with the legal obligations, as well as with the professional, ethical and organizational standards that ensure privacy, security and confidentiality in the access, retention, storage and disposal of personal health information.
5. Contribute to the development, implementation and evaluation of health information management practices, policies and processes to support client care, organizational goals, operations, and regulatory compliance.
6. Participate in maintaining the completeness, accuracy, consistency, timeliness and integrity of health information throughout the management of its lifecycle.
7. Use knowledge of systems interoperability standards, database architecture, software versioning, classification and terminology mapping, data collection requirements, legal obligations, and the health information management lifecycle, and apply fundamental project management principles and practices to support the procurement and implementation of health information management systems.
8. Retrieve and release personal health information in response to legitimate requests, in accordance with statutory requirements, and within specified deadlines.
9. Participate in the retrieval, analysis and presentation of relevant health information to stakeholders to support organizational decision-making, epidemiological studies and clinical research.
10. Work professionally, ethically and collaboratively with stakeholders and as a member of the interdisciplinary health care team, within a structured, regulated and evolving system of health care, to enhance the collection, distribution, use, security and awareness of quality health information and its impact on client care.
11. Use current and emerging technologies to support the management, analysis and presentation of health information.

REQUIRED COURSES

<table>
<thead>
<tr>
<th>SEMESTER 1</th>
<th>Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>BUS4051</td>
<td>Foundations of Business Analysis</td>
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<tr>
<td>BUS4053</td>
<td>Business Analysis Competencies and Techniques I</td>
<td></td>
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<tr>
<td>BUS4054</td>
<td>I.T. Project Management</td>
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<tr>
<td>BUS4065</td>
<td>Advanced Communications</td>
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<tr>
<td>COMP4014</td>
<td>Health-Care System</td>
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<tr>
<td>COMP4015</td>
<td>Health-Care Information Technology</td>
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<tr>
<td>COMP4080</td>
<td>Knowledge Management and Clinical Decision-Making</td>
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<tr>
<th>SEMESTER 2</th>
<th>Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>BUS4072</td>
<td>Portfolio Development and Work Search Preparation</td>
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<tr>
<td>COMP4024</td>
<td>Health Data Standards</td>
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<tr>
<td>COMP4033</td>
<td>Health Information Systems Analysis and Evaluation</td>
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<td>COMP4081</td>
<td>Health Business and Systems Analysis Case I</td>
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<tr>
<td>COMP4082</td>
<td>The Cutting Edge of Health Informatics Technology and Impact on Clinical Practice</td>
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<tr>
<td>COMP4083</td>
<td>Health Information Legislation, Privacy and Security</td>
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<tr>
<th>SEMESTER 3</th>
<th>Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>TCOP4002</td>
<td>Co-op Work Placement</td>
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<td>OR</td>
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<tr>
<td>BUS4081</td>
<td>Work Integrated Learning</td>
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YOUR CAREER

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

- Clinical/IT Project Manager
- Health Technology Leader
- Clinical Informatics Specialist
- 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/ca.

ENGLISH LANGUAGE PROFICIENCY

Applicants with international transcripts who do not provide English language proficiency test results must 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.

"I received tremendous guidance and professional support from faculty that encouraged me to go beyond my comfort zone and pursue my dreams. The George Brown College environment was very nurturing both professionally and personally."

Amrita Tyagi (Graduate 2007, Health Informatics)

CONTACT US

School of Computer Technology
Phone: 416-415-5000, ext. 4287
Email: computertechnology@georgebrown.ca
The office hours are 9 a.m. – 4 p.m.