

BLOCKCHAIN DEVELOPMENT PROGRAM (T175)

PROGRAM NAME	Blockchain Development	TUITION	\$7,280.00* ‡
COURSE CODE	T175	ADDITIONAL COST	
SCHOOL	School of Computer Technology		
CENTRE	Arts, Design and Information Technology		*Amounts listed are the total of tuition, materials, student service and ancillary fees for the first two semesters of the program starting in Fall 2018. Fees are subject to change for programs starting in Fall 2019 and at later dates.
LOCATION	Casa Loma Campus		
DURATION	1 year (3 semesters)		
EXPERIENTIAL LEARNING	Mandatory Co-op or Work Integrated Learning		‡ semester 3 fees will consist of a flat fee of \$500.00 for Co-op Placement or Work Integrated Project, which is not included in the total above.
STARTING MONTH	September, January		
CREDENTIAL	George Brown College Certificate		International students: Visit the International Fees and Related Costs ² page for more information.
YEAR OF STUDY	2018-2019	FINANCIAL ASSISTANCE	
METHOD OF STUDY	FT		This program is not eligible for OSAP.
APPLY TO	Ontario Colleges ¹		



Looking to transition careers or fill in the gaps to gain advanced blockchain development skills?

This unique **Blockchain Development program** at George Brown College in Toronto focuses on designing and implementing decentralized applications by leveraging blockchain technology. The three-semester program is designed to also thoroughly cover full stack development to give potential students all the tools they need to succeed in this emerging and exciting field.

This program has been developed with the support of blockchain industry professionals and is taught in a full-time executive format of approximately 20 hours per week of study over a 26-week time period. Co-op and work integrated learning opportunities are available during the third semester of the program. It is the first certificate in blockchain offered by a Canadian college.

The skills you'll learn include:

- Smart contracts
- Design patterns for blockchain
- Distributed applications (dApps)
- Full stack development
- Blockchain architecture, security practices, laws and regulations, and more



EXPERIENTIAL LEARNING

Mandatory Co-op or Work Integrated Learning

YOUR FIELD STUDY OPTIONS

During the third semester of the program, students may choose whether to apply for a Co-op position or take a Work Integrated Learning course which includes an industry-sponsored project.

THE INDUSTRY

To support Toronto as a leading blockchain hub, George Brown College has partnered with ConsenSys³, ChainSafe Systems⁴ and other leaders in the industry to develop this program.

PROGRAM STANDARDS AND LEARNING OUTCOMES

The graduate has reliably demonstrated the ability to:

1. Communicate essential concepts related to blockchain technology and its industry applications.
2. Implement best security practices for blockchain solutions.
3. Design cryptoeconomic models to solve business problems.
4. Design the architecture of decentralized applications and systems.
5. Develop decentralized applications leveraging blockchain technology.
6. Explain the legal implications, regulations, and industry standards that are relevant to blockchain technology.
7. Apply IT project management principles and best practices.
8. Contribute to the field and blockchain community through various open source projects, partnerships, and community involvement.

REQUIRED COURSES

This is a three-semester program comprising case studies during which students will be engaged on an increasingly intense and independent basis with material of escalating complexity. Course-oriented delivery supports this learning process.

SEMESTER 1

Code	Course Name
BCDV 1001	Introduction to Blockchain
BCDV 1002	Introduction to Blockchain Security Practices
BCDV 1003	Blockchain Architecture
BCDV 1004	Laws and Regulations
BCDV 1005	Industry Applications
BCDV 1006	Full Stack Development I
BCDV 1007	Full Stack Development II
BCDV 1008	Full Stack Development III

SEMESTER 2

Code	Course Name
BCDV 1009	Software Development Methodologies
BCDV 1010	Smart Contract Essentials
BCDV 1011	Design Patterns for Blockchain
BCDV 1012	dApp I
BCDV 1013	Advanced Smart Contracts
BCDV 1014	dApp II

SEMESTER 3

Code	Course Name
TCOP 1006	Co-op Work Placement
	OR
BCDV 1015	Work Integrated Project

YOUR CAREER

Graduates of this program may apply for positions that include:

- Blockchain Engineer
- Blockchain Developer
- Blockchain Architect
- Smart Contract Developer
- dApp Developer

ADMISSION REQUIREMENTS

Applicants are selected on the basis of their academic achievement, including the required courses, and any other selection criteria outlined below.

- Ontario Secondary School Diploma or equivalent**
- Grade 12 English (C or U) with a grade of 60% or higher
- Grade 11 Math (M or U) or Grade 12 (C or U) with a grade of 60% or higher

** MATURE STUDENT STATUS (19 YEARS OF AGE OR OLDER AND NO OSSD)

Mature Students may take the Admissions Assessment⁵ for English and Math, OR may consider upgrading to achieve the credit(s) needed in English⁶ and Math⁷.

Please note that George Brown is committed to ensuring that applicants will succeed in their program of choice and meeting the minimum requirements does not guarantee admission to the program. Applicants may be required to have grades higher than the minimum requirements stated.

***Please note that applicants who are submitting International transcripts require a Canadian equivalency evaluation. This can be obtained through ICAS (International Credential Assessment Service) at icas.ca or WES (World Education Services) at wes.org/ca⁸.

COURSE EXEMPTIONS

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

INTERNATIONAL STUDENTS

Visit the International Admissions⁹ page for more information.

CONTACT US

School of Computer Technology¹⁰

Phone: 416-415-5000, ext. 4287

Email: computertechnology@georgebrown.ca

The office hours are 9 a.m. – 4 p.m.

Program Coordinator: Ceit

Butler Ceit.Butler@georgebrown.ca

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 Blockchain Development program is offered through our School of Computer Technology¹¹ from our Casa Loma Campus¹² at 146 Kendal Avenue¹³. Sign up for an Information Session¹⁴ or Campus Tour¹⁵ to learn more about George Brown College and the program. You can also explore our virtual tour.¹⁶

LINKS REFERENCE

- ¹<https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=T175&lang=en>
- ²<http://www.georgebrown.ca/international/futurestudents/tuitionfees/>
- ³<https://new.consensus.net/>
- ⁴<https://chainsafe.io/>
- ⁵<http://www.georgebrown.ca/assessment/admi-pre/>
- ⁶<http://www.georgebrown.ca/upgrading-credits/english-diploma/>
- ⁷<http://www.georgebrown.ca/upgrading-credits/math-diploma/>
- ⁸<http://www.wes.org/ca/>
- ⁹<http://www.georgebrown.ca/international/futurestudents/applynow/>
- ¹⁰<http://www.georgebrown.ca/computertechnology/>
- ¹¹<http://www.georgebrown.ca/computertechnology/>
- ¹²<http://www.georgebrown.ca/campuses/casa-loma/>
- ¹³<https://www.google.ca/maps/place/146+Kendal+Ave,+Toronto,+ON+M5R+1M3/data=!4m2!3m1!1s0x882b349c7146b3f7:0x6edb6695c6d490f6?sa=X&ved=0ahUKEwjvbuOybDbAhUB7oMKHfsYDNQQ8gEIKDAA>
- ¹⁴http://www.georgebrown.ca/computertechnology_info/
- ¹⁵http://www.georgebrown.ca/campus_tours/
- ¹⁶<http://vt.georgebrown.ca/>

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COMPUTER PROGRAMMER ANALYST PROGRAM (T127)

PROGRAM NAME	Computer Programmer Analyst	TUITION	\$4,128.00 *
COURSE CODE	T127	ADDITIONAL COST	
SCHOOL	School of Computer Technology	*Amounts listed are the total of tuition, materials, student service and ancillary fees for the first two semesters of programs starting in fall 2017. Fees are subject to change for programs starting in fall 2018 and at later dates.	
CENTRE	Arts, Design and Information Technology	International students: Visit the International Fees and Related Costs ² page for more information.	
LOCATION	Casa Loma Campus		
DURATION	3 years (6 semesters)		
STARTING MONTH	September, January		
CREDENTIAL	Ontario College Advanced Diploma		
YEAR OF STUDY	2018-2019		
METHOD OF STUDY	FT		
APPLY TO	Ontario Colleges ¹		

Today, few organizations make any major plans without thoroughly understanding the Information Technology (IT) implications. IT professionals are a key part of decision-making business teams. George Brown College answers this need with its three-year (six-semester) **Computer Programmer Analyst** program. The broad education in programming and IT analysis that it offers can provide you with a stable platform for career growth in the rapidly expanding and ever-changing world of information technology.

During the first two years of the program you will develop the skills and techniques required for software application development and testing. The industry tells us they are looking for Computer Programmer Analysts with “the total package.” So the third year includes advanced technical skills in areas such as systems analysis and design techniques – and continues to develop communications, teamwork and other client service skills such as needs assessment, sales and presentation methods.

George Brown offers other distinct advantages:

- Students are involved in project-based and experiential learning.
- In the third year, students are exposed to the fast-growing game development sector.
- Students are also exposed to mobile application development using the latest mobile devices.

*If you enrol in January, you must complete semester 2 in the summer, May to August, in the same year.

Note: In this rapidly changing industry, program improvements are being made on an ongoing basis, which may result in course changes. Changes are made in consultation with our Program Advisory Committee, which is composed of academic staff and industry representatives from small, medium-sized and large corporations.

PROGRAM STANDARDS AND LEARNING OUTCOMES

The graduate has reliably demonstrated the ability to:

1. Troubleshoot and document problems associated with software installation and customization.
2. Analyze and define the specifications of a system based on requirements.
3. Design, test, document, and deploy programs based on specifications.
4. Apply knowledge of the design, modeling, implementation, and maintenance of a database.
5. Apply knowledge of networking concepts to develop, deploy, and maintain programs.
6. Propose and justify the design and development of an integrated solution based on an analysis of the business environment.
7. Use relevant methodologies, policies, and standards to develop integrated solutions.
8. Apply knowledge of security issues in the analysis, design, and implementation of integrated solutions.
9. Develop and maintain effective working relationships with clients.
10. Articulate, defend, and conform to workplace expectations found in information technology (IT) environments.
11. Contribute to the successful completion of the project applying the project management principles in use.

REQUIRED COURSES

SEMESTER 1

Code	Course name
COMP1151	IT Essentials
COMP1176	Introduction to Networks - CCNA I
COMP1223	Web Development Fundamentals
GSSC1045	Business Applications for Information Technology
MATH1162	Mathematics for Computer Technology I
COMM1007	College English**

SEMESTER 2

Code	Course name
COMP1168	Database Management
COMP1202	Object-Oriented Programming
COMP1231	Web Programming
COMP1232	Operating System Installation and Support
MATH1172	Mathematics for Computer Technology II
GSSC1027	Personal Finance

SEMESTER 3

Code	Course name
COMP1230	Advanced Web Programming
COMP2129	Advanced Object-Oriented Programming
COMP2130	Application Development using Java
COMP2151	Agile Software Development
COMP2148	Professional Workplace Competencies
GNEC	General Education Elective

SEMESTER 4

Code	Course name
COMP2080	Data Structures and Algorithms
COMP2138	Advanced Database Development
COMP2139	Web Application Development
COMP2147	System Analysis, Design and Testing
COMP2152	Open Source Development
GNEC	General Education Elective

SEMESTER 5

Code	Course name
COMP3095	Web Application Development using Java
COMP3059	Capstone Project I
COMP 3060	Linux Fundamentals
COMP3074	Mobile Application Development I
COMP 3122	Artificial Intelligence with Python
COMP 3123	Full Stack Development I

SEMESTER 6

Code	Course name
COMP3078	Capstone Project II
COMP3097	Mobile Application Development II
COMP3080	Emerging Technologies
COMP 3133	Full Stack Development II
COMP 3132	Machine Learning with Python

**Based on the results of your placement test, you may be required to take COMM1003 (English Skills) or CESL1003 (English Skills – ESL) before progressing to COMM1007. COMM1003/CESL1003 does not count as a course required for graduation, and you will be charged for this extra course. Please visit georgebrown.ca/assessment for more information.

YOUR CAREER

Graduates may find career opportunities in areas such as:

- Database administration

- Systems analysis and design
- Consulting
- Application design and development
- Web application design and development
- And many others

Opportunities exist for systems development for both corporate clients and smaller contract companies.

As programmer analysts, graduates will work in project teams responsible for the development of new applications and the maintenance of existing business systems.

FUTURE STUDY OPTIONS

Students who successfully complete this program may qualify for entry into Ontario college graduate certificate programs and university degree programs at institutions such as McMaster University, University of Guelph and Northern Alberta Institution of Technology.

For further information, see georgebrown.ca/transferguide

ADMISSION REQUIREMENTS

Applicants are selected on the basis of their academic achievement, including the required courses, and any other selection criteria outlined below.

- Ontario Secondary School Diploma or equivalent**
- Grade 12 English (C or U)
- Grade 11 Math (M or U) or Grade 12 (C or U)

** MATURE STUDENT STATUS (19 YEARS OF AGE OR OLDER AND NO OSSD)

Mature Students may take the Admissions Assessment³ for English and Math, OR may consider upgrading to achieve the credit(s) needed in English⁴ and Math⁵.

Please note that George Brown is committed to ensuring that applicants will succeed in their program of choice and meeting the minimum requirements does not guarantee admission to the program. Applicants may be required to have grades higher than the minimum requirements stated.

COURSE EXEMPTIONS

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

INTERNATIONAL STUDENTS

Visit the International Admissions⁶ page for more information.

CONTACT US

School of Computer Technology⁷

Phone: 416-415-5000, ext. 4287

Email: computertechnology@georgebrown.ca

The office hours are 9 a.m. – 4 p.m.

Program coordinator: Maziar Masoudi

Phone: 416-4155000

x3345Email: mmasoudi@georgebrown.ca

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 Computer Programmer Analyst program is offered at our Casa Loma Campus⁸. Sign up for an Information Session⁹ or Campus Tour¹⁰ to learn more about George Brown College and the program. You can also explore our virtual tour.¹¹

LINKS REFERENCE

¹[https://collegeapply.ontariocolleges.ca/?](https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=T127&lang=en)

[collegeCode=GBTC&programCode=T127&lang=en](https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=T127&lang=en)

²<http://www.georgebrown.ca/international/futurestudents/tuitionfees/>

³<http://www.georgebrown.ca/assessment/admi-pre/>

⁴<http://www.georgebrown.ca/upgrading-credits/english-diploma/>

⁵<http://www.georgebrown.ca/upgrading-credits/math-diploma/>

⁶<http://www.georgebrown.ca/international/futurestudents/applynow/>

⁷<http://www.georgebrown.ca/computertechnology/>

⁸<http://www.georgebrown.ca/campuses/casa-loma/>

⁹http://www.georgebrown.ca/computertechnology_info/

¹⁰http://www.georgebrown.ca/campus_tours/

¹¹<http://vt.georgebrown.ca/>

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COMPUTER SYSTEMS TECHNICIAN PROGRAM (T141)

PROGRAM NAME	Computer Systems Technician	TUITION	\$4,044.00 *
COURSE CODE	T141	ADDITIONAL COST	
SCHOOL	School of Computer Technology	* Amounts listed are the total of tuition, materials, student service and ancillary fees for the first two semesters of programs starting in fall 2017. Fees are subject to change for programs starting in fall 2018 and at later dates.	
CENTRE	Arts, Design and Information Technology	International students: Visit the International Fees and Related Costs ² page for more information.	
LOCATION	Casa Loma Campus		
DURATION	2 years (4 semesters)		
STARTING MONTH	September, January		
CREDENTIAL	Ontario College Diploma		
YEAR OF STUDY	2018-2019		
METHOD OF STUDY	FT		
APPLY TO	Ontario Colleges ¹		

As the Information Technology (IT) sector continues to grow in Toronto and our industry partners report skills shortages, George Brown College is helping to meet employer demand by educating IT professionals who understand all aspects of computer systems. Our two-year Computer Systems Technician program provides students with a broad and in-depth technical base, through courses in the high-demand areas of system support, network administration and web technologies. The curriculum prepares graduates with the strong administration, troubleshooting and design skills they need for careers in IT.



George Brown continues to invest in up-to-date networking, wireless and security lab equipment to help students develop hands-on installation, configuration and troubleshooting skills.

Students use the NetLab platform, which enables them with 24/7 remote access to Cisco Systems physical equipment. This investment, along with our hands-on teaching environment, was recognized by Cisco when the college was designated an Area Support Centre and Instructor Training Centre.

Graduates of the Computer Systems Technician program are prepared to write several industry certification exams that are in-demand by employers.

Note: Students who start the program in January (Winter term) will be required to attend classes during the summer months (May to August).

PROGRAM STANDARDS AND LEARNING OUTCOMES

The graduate has reliably demonstrated the ability to:

1. Analyze and resolve information technology problems through the application of systematic approaches and diagnostic tools.

2. Support the implementation and administration of computer systems.
3. Support the implementation and administration of networking solutions.
4. Install, configure, troubleshoot, maintain, and upgrade components of computer systems.
5. Install, configure, troubleshoot, maintain, and upgrade components of networks.
6. Use a variety of scripting tools and languages to automate routine tasks.
7. Follow, monitor, and document data storage procedures designed to ensure the integrity of information.
8. Apply knowledge of security issues to the implementation of information technology solutions.
9. Provide efficient and effective technical support to clients in a manner that promotes safe computing practices and reduces the risk of the issue recurring.
10. Conform to workplace expectations found in information technology (IT) environments.
11. Contribute to the successful completion of the project applying the project management principles in use.

REQUIRED COURSES

SEMESTER 1

Code	Course name
COMP1151	IT Essentials
COMP1176	Introduction to Networks - CCNA 1
COMP1223	Web Development Fundamentals
GSSC1045	Business Applications for Information Technology
MATH1162	Mathematics for Computer Technology I
COMM1007	College English**

SEMESTER 2

Code	Course name
COMP1203	Routing and Switching Essentials - CCNA 2
COMP3044	UNIX Essentials
COMP1231	Web Programming
COMP1232	Operating System Installation and Support
MATH1172	Mathematics for Computer Technology II
GSSC1027	Personal Finance

SEMESTER 3

Code	Course name
COMP1196	Scaling Networks - CCNA 3
COMP2064	Windows Servers Active Directory Configuration
COMP2144	Web Server Administration
COMP2148	Professional Workplace Competencies
COMP3066	UNIX System Administration
GNEED	General Education Elective

SEMESTER 4

Code	Course name
COMP1197	Connecting Networks - CCNA 4
COMP2102	Wireless Technology Fundamentals
COMP2141	Windows Server Network Infrastructure
COMP2152	Open Source Development
COMP3061	Computer Security Fundamentals
GNEED	General Education Elective

**Based on the results of your placement test, you may be required to take COMM1003 (English Skills) or CESL1003 (English Skills – ESL) before progressing to COMM1007. COMM1003/CESL1003 does not count as a course required for graduation, and you will be charged for this extra course. Please visit georgebrown.ca/assessment for more information.

CAREER OPTIONS

Computer System Technicians establish, operate, maintain and co-ordinate the use of local and wide area networks (LANs and WANs), software services and related computer equipment. They set up and maintain Internet and Intranet websites and web-server technologies, and monitor and optimize network connectivity and performance. They are employed in Information Technology units throughout the private and public sectors. Supervisors of Computer Network Technicians are included in this group.

YOUR CAREER

Graduates can provide client support and network technical support in a wide variety of industries. Opportunities exist in companies that provide computer support services to other businesses, and in organizations that specialize in the sale and installation of computer systems and networks. Graduates may also find employment working directly with business clients, providing training services and ongoing support to assist them in using computer applications effectively.

The curriculum also prepares students to, after graduating from the program, write several of the examinations leading to industry certification in Network Administration and Support.

FUTURE STUDY OPTIONS

Graduates may continue directly into the third year of the Computer Systems Technology program (T147)³, and earn an Ontario College Advanced Diploma in two additional semesters.

Students who successfully complete this program may qualify for entry into university degree programs. This includes credit towards the Athabasca University BSc-CIS (PD).

For further information on future study options, see georgebrown.ca/transferguide/

ADMISSION REQUIREMENTS

Applicants are selected on the basis of their academic achievement, including the required courses, and any other selection criteria outlined below.

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- Grade 12 English (C or U)
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** MATURE STUDENT STATUS (19 YEARS OF AGE OR OLDER AND NO OSSD)

Mature Students may take the Admissions Assessment⁴ for English and Math, OR may consider upgrading to achieve the credit(s) needed in English⁵ and Math⁶.

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COURSE EXEMPTIONS

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INTERNATIONAL STUDENTS

Visit the International Admissions⁷ page for more information.

CONTACT US

School of Computer Technology⁸

Phone: 416-415-5000, ext. 4287

Email: computertechnology@georgebrown.ca

The office hours are 9 a.m. – 4 p.m.

Program coordinator: Stephan Caneff

Phone: 416-4155000

x6748 Email: scaneff@georgebrown.ca

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 Computer Systems Technician program is offered at our Casa Loma Campus⁹. Sign up for an Information Session¹⁰ or Campus Tour¹¹ to learn more about George Brown College and the program. You can also explore our virtual tour.¹²

LINKS REFERENCE

¹<https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=T141&lang=en>

²<http://www.georgebrown.ca/international/futurestudents/tuitionfees/>

³<http://www.georgebrown.ca/programs/computer-systems-technology-program-t147/>

⁴<http://www.georgebrown.ca/assessment/admi-pre/>

⁵<http://www.georgebrown.ca/upgrading-credits/english-diploma/>

⁶<http://www.georgebrown.ca/upgrading-credits/math-diploma/>

⁷<http://www.georgebrown.ca/international/futurestudents/applynow/>

⁸<http://www.georgebrown.ca/computertechnology/>

⁹<http://www.georgebrown.ca/campuses/casa-loma/>

¹⁰http://www.georgebrown.ca/computertechnology_info/

¹¹http://www.georgebrown.ca/campus_tours/

¹²<http://vt.georgebrown.ca/>

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COMPUTER SYSTEMS TECHNOLOGY PROGRAM (T147)

PROGRAM NAME	Computer Systems Technology	TUITION	\$3,960.00*
COURSE CODE	T147	ADDITIONAL COST	
SCHOOL	School of Computer Technology		
CENTRE	Arts, Design and Information Technology		
LOCATION	Casa Loma Campus		
DURATION	3 years (6 semesters)		
STARTING MONTH	September, January		
CREDENTIAL	Ontario College Advanced Diploma		
YEAR OF STUDY	2018-2019		
METHOD OF STUDY	FT		
APPLY TO	Ontario Colleges ¹		

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International students: Visit the International Fees and Related Costs² page for more information.

The three-year **Computer Systems Technology** program is designed with extensive industry input and offers two optional specializations in its third year:



1. **The Networking specialization** focuses on network security, voice-over-IP (VoIP) and wireless LANs.
2. **The Systems specialization** focuses on mail server administration, content management systems (Collaboration), database administration and computer security.

Both specializations include core courses on infrastructure virtualization (through the VMWare IT Academy) and cloud computing, along with best practices in Information Technology (IT).

George Brown College continues to invest in up-to-date networking, wireless, radio frequency, VoIP and security lab equipment, so that all students gain hands-on experience in installation and configuration of equipment ranging from small offices all the way to enterprise-class hardware and software. This investment, along with the hands-on teaching environment, was recognized by Cisco when the college was designated an Area Support Centre and Instructor Training Centre, and became part of a very select group of Cisco Networking Academies in Canada.

In the third year of the program, students will be involved, hands-on, in real-life projects or case studies. These may be completed independently, in conjunction with an industry partner, or George Brown's Office of Research and Innovation, and may include developing proposals and working in teams to plan, set schedules and achieve specific goals in the field of Information Technology. Through some of these projects, George Brown students have recently helped develop IT solutions for hospitals, large corporations and major IT and telecommunications service providers, including Bell Mobility, Rogers Communications, Cogeco Data Systems and many other well-known companies in the Greater Toronto Area.

This program covers all four courses of the official Cisco CCNA Routing & Switching curriculum. The curriculum also prepares students to write several other examinations leading to industry certifications, such as the Certified Wireless Network Administrator (CWNA) and Cisco's CCNA Security.

Note: Students who start the program in January (Winter term) will be required to attend classes during the summer months (May to August).

PROGRAM STANDARDS AND LEARNING OUTCOMES

The graduate has reliably demonstrated the ability to:

1. Analyze and resolve information technology problems through the application of systematic approaches and diagnostic tools.
2. Analyze, plan, design, and implement computer systems.
3. Analyze, plan, design, and implement networking solutions.
4. Install, configure, troubleshoot, monitor, maintain, upgrade, and optimize computer systems.
5. Install, configure, troubleshoot, monitor, maintain, upgrade, and optimize networks.
6. Use a variety of scripting tools and languages to automate routine tasks.
7. Participate in the deployment and administration of databases within a networked environment.
8. Plan, develop, and be responsible for data storage to ensure the integrity of information.
9. Apply knowledge of security issues to the implementation of information technology solutions.
10. Appraise existing security solutions with a view to ongoing maintenance, development, and improvement of organizational security.
11. Provide efficient and effective technical support to clients in a manner that promotes safe computing practices and reduces the risk of the issue recurring.

12. Articulate, defend, and conform to workplace expectations found in information technology (IT) environments.
13. Contribute to the successful completion of the project applying the project management principles in use.

REQUIRED COURSES

SEMESTER 1

Code	Course name
COMP1151	IT Essentials
COMP1176	Introduction to Networks - CCNA 1
COMP1223	Web Development Fundamentals
GSSC1045	Business Applications for Information Technology
MATH1162	Mathematics for Computer Technology I
COMM1007	College English**

SEMESTER 2

Code	Course name
COMP1203	Routing and Switching Essentials - CCNA 2
COMP3044	UNIX Essentials
COMP1231	Web Programming
COMP1232	Operating System Installation and Support
MATH1172	Mathematics for Computer Technology II
GSSC1027	Personal Finance

SEMESTER 3

Code	Course name
COMP1196	Scaling Networks - CCNA 3
COMP2064	Windows Servers Active Directory Configuration
COMP2144	Web Server Administration
COMP2148	Professional Workplace Competencies
COMP3066	UNIX System Administration
GNEED	General Education Elective

SEMESTER 4

Code	Course name
COMP1197	Connecting Networks - CCNA 4
COMP2102	Wireless Technology Fundamentals
COMP2141	Windows Server Network Infrastructure
COMP2152	Open Source Development
COMP3061	Computer Security Fundamentals
GNEED	General Education Elective

**Based on the results of your placement test, you may be required to take COMM1003 (English Skills) or CESL1003 (English Skills – ESL) before progressing to COMM1007. COMM1003/CESL1003 does not count as a course required for graduation, and you will be charged for this extra course. Please visit georgebrown.ca/assessment for more information.

PROGRAM SPECIALIZATION

CHOOSE ONE SET OF COURSES

Students are to pick a specialization in semester five and will be registered in the corresponding courses. Please note that once your specialization is picked in semester five, you will not be able to change in semester six.

NETWORKING SPECIALIZATION

SEMESTER 5

Code	Course name
COMP3076	Network Infrastructure Security
COMP3049	WLAN Administration
COMP3098	Enterprise Network and System Design
COMP3093	Infrastructure Virtualization
COMP3112	IP Telephony Services
COMP3115	Information Systems Project Management

SEMESTER 6

Code	Course name
COMP3094	ITIL Foundation
COMP3107	Enterprise Network Management
COMP3108	Cloud Computing Infrastructure
COMP3099	Capstone Project
COMP3111	Broadband and Data Communications

SYSTEMS SPECIALIZATION

SEMESTER 5

Code	Course name
COMP3102	Mail Server Administration
COMP3103	Power Shell Scripting
COMP3114	Database Administration
COMP3115	Information Systems Project Management
COMP3098	Enterprise Network and System Design
COMP3093	Infrastructure Virtualization

SEMESTER 6

Code	Course name
COMP3094	ITIL Foundation
COMP3108	Cloud Computing Infrastructure
COMP3099	Capstone Project
COMP3113	Advanced Computer System Security
COMP3121	System Data Collaboration

YOUR CAREER

This program prepares graduates for jobs in a wide variety of positions, including:

- systems administrators connected with wireless LAN support
- wireless service providers
- cellular and broadband providers

Opportunities also exist in companies that provide computer support services to other businesses, and in organizations that specialize in the sale and installation of computer systems and networks.

Graduates may also find employment working directly with business clients, providing training services and ongoing support to assist them in using computer applications effectively. Graduates will be prepared to write several of the examinations leading to industry certification in Network Administration and Support.

FUTURE STUDY OPTIONS

Students who successfully complete this program may qualify for entry into Ontario college graduate certificate and university degree programs. George Brown currently has articulation agreements with various other post-secondary institutions such as the University of Ontario Institute of Technology, McMaster University and the Northern Alberta Institute of Technology. For further information on future study options, see georgebrown.ca/transferguide.

ADMISSION REQUIREMENTS

Applicants are selected on the basis of their academic achievement, including the required courses, and any other selection criteria outlined below.

- Ontario Secondary School Diploma or equivalent**
- Grade 12 English (C or U)
- Grade 11 Math (M or U) or Grade 12 (C or U)

** MATURE STUDENT STATUS (19 YEARS OF AGE OR OLDER AND NO OSSD)

Mature Students may take the Admissions Assessment³ for English and Math, OR may consider upgrading to achieve the credit(s) needed in English⁴ and Math⁵.

Please note that George Brown is committed to ensuring that applicants will succeed in their program of choice and meeting the minimum requirements does not guarantee admission to the program. Applicants may be required to have grades higher than the minimum requirements stated.

COURSE EXEMPTIONS

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

INTERNATIONAL STUDENTS

Visit the International Admissions⁶ page for more information.

CONTACT US

SCHOOL OF COMPUTER TECHNOLOGY⁷

Phone: 416-415-5000, ext. 4287

Email: computertechnology@georgebrown.ca

The office hours are 9 a.m. – 4 p.m.

Program coordinator: Jacky Min

Phone: 416-4155000 x 6691 Email: jmin@georgebrown.ca

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 Computer Systems Technology program is offered at our Casa Loma Campus⁸. Sign up for an Information Session⁹ or Campus Tour¹⁰ to learn more about George Brown College and the program. You can also explore our virtual tour.¹¹

LINKS REFERENCE

¹<https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=T147&lang=en>

²<http://www.georgebrown.ca/international/futurestudents/tuitionfees/>

³<http://www.georgebrown.ca/assessment/admi-pre/>

⁴<http://www.georgebrown.ca/upgrading-credits/english-diploma/>

⁵<http://www.georgebrown.ca/upgrading-credits/math-diploma/>

⁶<http://www.georgebrown.ca/international/futurestudents/applynow/>

⁷<http://www.georgebrown.ca/computertechnology/>

⁸<http://www.georgebrown.ca/campuses/casa-loma/>

⁹http://www.georgebrown.ca/computertechnology_info/

¹⁰http://www.georgebrown.ca/campus_tours/

¹¹<http://vt.georgebrown.ca/>

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GAME – PROGRAMMING PROGRAM (T163)

PROGRAM NAME	Game – Programming	TUITION	\$4,256.00 *
COURSE CODE	T163	ADDITIONAL COST	
SCHOOL	School of Computer Technology		
CENTRE	Arts, Design and Information Technology		
LOCATION	Casa Loma Campus		
DURATION	3 years (6 semesters)		
STARTING MONTH	September, January		
CREDENTIAL	Ontario College Advanced Diploma		
YEAR OF STUDY	2018-2019		
METHOD OF STUDY	FT		
APPLY TO	Ontario Colleges ¹		

* Amounts listed are the total of tuition, materials, student service and ancillary fees for the first two semesters of programs starting in fall 2017. Fees are subject to change for programs starting in fall 2018 and at later dates.

International students: Visit the International Fees and Related Costs² page for more information.

Whether it's online or console, cell phone or PC-based, the game industry in Canada is large and growing rapidly. Game developers and publishers in the Greater Toronto Area range from small specialized units to mid-sized companies to Microsoft, Nintendo and other industry leaders.

Computer and game programmers are the fundamental resource for companies that develop, produce, distribute and market computer-based games. In fact, our industry advisors tell us it is the technical skills that are most in demand – a demand that this George Brown program is focused on meeting.

Students in George Brown's three-year **Game – Programming** advanced diploma program will learn the technical skills they need to be successful in the job market by learning "the language of gaming" (C and C++), as well as artificial intelligence, 3D graphics and much more.

The added advantage of this program is that students will also be taught by George Brown's School of Design faculty throughout the program, working closely with design students to create games, explore all aspects of the game industry, and learn to work in teams, just as they will in industry. Classes take place at George Brown's Waterfront and St. James Campuses. Some courses are offered online, and in some semesters, evening courses may be required.

Note: Students who start the program in January (Winter term) will be required to attend classes during the summer months (May to August).



THE INDUSTRY

"Canada's video game industry is recognized as a global powerhouse for game development and has played a significant role in shifting what was once a 'niche industry' into a blockbuster industry and driver of innovation. In 2015, the industry contributed more than \$3 billion to the Canadian economy and provided 20,400 full-time equivalent (FTE) jobs across the country, representing an increase of 31 percent and 24 percent respectively since 2013.

"Industry growth both globally and in Canada has been explosive and is expected to continue into the future. Canada's video game industry crosses the country with 472 active studios that develop, publish, and distribute video games. The sector is mainly concentrated in the provinces of Quebec (29.4 percent), British Columbia (27.1 percent), and Ontario (22.9 percent)."

Entertainment Software Association of Canada

PROGRAM STANDARDS AND LEARNING OUTCOMES

The graduate has reliably demonstrated the ability to:

1. Analyze the differences in game genres in order to develop games that meet the needs of specific markets.
2. Analyze the history of video games to compare various approaches to game development.

- Support the development of games by identifying and relating concepts from a range of industry roles – programming, design, and art.
- Contribute as an individual and a member of a game development team to the effective completion of a game development project.
- Develop strategies for ongoing personal and professional development to enhance work performance in the games industry.
- Perform all work in compliance with relevant statutes, regulations, legislation, industry standards and codes of ethics.

REQUIRED COURSES

SEMESTER 1

Code	Course name
GAME 1001	Introduction to Programming
GAME1007	Game Fundamentals I
GAME 1005	Game Production I
GSSC 1045	Business Applications for Information Technology
MATH 1180	Math for Game Development
COMM 1007 [^]	College English

SEMESTER 2

Code	Course name
GAME 1011	Advanced Programming
GAME 1017	Game Fundamentals II
GAME 3001	Artificial Intelligence
GAME 1014	Game Production II
MATH 1107	Linear Algebra and Geometry
GSSC 1027	Personal Finance

SEMESTER 3

Code	Course name
GAME 2020 ^{**}	Game Production III
GAME2001	Data Structures & Algorithms
GAME 2005	Game Physics
GAME 2012	3D Graphics Programming
GAME 2013	Game Engine I
GNED	General Education Elective (Select One)

SEMESTER 4

Code	Course name
GAME 2030 ^{**}	Game Production IV
GAME 2031	Advanced Topics in Programming Languages
GAME 3111	Advanced Graphics Programming
GAME 3002	Physics Engines
GAME 2023	Game Engines II
COMP 2148	Professional workplace competencies
GNED	General Education Elective (Select One)

SEMESTER 5

Code	Course name
GAME 3020 ^{**}	Game Production V
GAME 2014	Mobile Game Development I
GAME 3003	Console Game Development I
GAME 3110	Multiplayer Systems
GAME 3023	Game Engines III
GAME 3121	Game Engine Development I

SEMESTER 6

Code	Course name
GAME 3030 ^{**}	Game Production VI
GAME 3004	Mobile Game Development II
GAME 3011	Advanced Game Programming
GAME 3015	Game Engine Development II
GAME 3033	Game Engines IV
GAME 3112	Console Game Development II

†Based on the results of your placement test, you may be required to take COMM1003 (English Skills) or CESL1003 (English Skills – ESL) before progressing to COMM1007. COMM1003/CESL1003 does not count as a course required for graduation, and you will be charged for this extra course. Please visit georgebrown.ca/assessment for more information.

^{**}Course delivered at the St. James Campus. All other courses are delivered at the Waterfront Campus.

ELECTIVES

ALTERNATIVE STUDY OPTIONS

Students looking to focus more on the art/asset development aspect of game development may be more interested in our Game – Art advanced diploma program (G119), which is centred in the George Brown School of Design. Even though several courses are co-delivered in both programs, we encourage you to consider which program most closely suits your goals prior to making a final decision.

YOUR CAREER

Our graduates will be able to work in many areas of the digital game industry, including:

- software or hardware development
- publisher
- ISP and game portal development and maintenance
- website development
- distribution middleware and tool provider
- production servicer
- content/IP owner

EDUCATIONAL/DEGREE PATHWAY

Graduates of Game – Programming have the opportunity to apply to the BSc (Honours) Computer Games Design program at the University of Gloucestershire, beginning in level 6. For more information about this program, visit www.glos.ac.uk/courses/undergraduate/cgs/pages/computer-games-design-bsc.aspx³.

ADMISSION REQUIREMENTS

Applicants are selected on the basis of their academic achievement, including the required courses, and any other selection criteria outlined below.

- Ontario Secondary School Diploma or equivalent**
- Grade 12 English (C or U)
- Grade 11 Math (M or U) or Grade 12 (C or U)
- Attending a Program Information Session is highly recommended

** MATURE STUDENT STATUS (19 YEARS OF AGE OR OLDER AND NO OSSD)

Mature Students may take the Admissions Assessment⁴ for English and Math, OR may consider upgrading to achieve the credit(s) needed in English⁵ and Math⁶.

Please note that George Brown is committed to ensuring that applicants will succeed in their program of choice and meeting the minimum requirements does not guarantee admission to the program. Applicants may be required to have grades higher than the minimum requirements stated.

COURSE EXEMPTIONS

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

INTERNATIONAL STUDENTS

Visit the International Admissions⁷ page for more information.

CONTACT US

School of Computer Technology⁸

Phone: 416-415-5000, ext. 4287

Email: computertechnology@georgebrown.ca

The office hours are 9 a.m. – 4 p.m.

Program coordinator: Alexander Richard

Phone: 416-4155000 x

4232Email: arichard6@georgebrown.ca

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

Classes in the Game Programming program take place at our Casa Loma⁹ and Waterfont¹⁰ Campuses. Sign up for an Information Session¹¹ or Campus Tour¹² to learn more about George Brown College and the program. You can also explore our virtual tour.¹³

LINKS REFERENCE

¹<https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=T163&lang=en>

²<http://www.georgebrown.ca/international/futurestudents/tuitionfees/>

³<http://www.glos.ac.uk/courses/undergraduate/cgs/pages/computer-games-design-bsc.aspx>

⁴<http://www.georgebrown.ca/assessment/admi-pre/>

⁵<http://www.georgebrown.ca/upgrading-credits/english-diploma/>

⁶<http://www.georgebrown.ca/upgrading-credits/math-diploma/>

⁷<http://www.georgebrown.ca/international/futurestudents/applynow/>

⁸<http://www.georgebrown.ca/computertechnology/>

⁹<http://www.georgebrown.ca/campuses/casa-loma/>

¹⁰<http://www.georgebrown.ca/campuses/waterfront/>

¹¹http://www.georgebrown.ca/computertechnology_info/

¹²http://www.georgebrown.ca/campus_tours/

¹³<http://vt.georgebrown.ca/>

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HEALTH INFORMATICS PROGRAM (POSTGRADUATE) (T402)

PROGRAM NAME	Health Informatics	TUITION	\$11,159.00 *
COURSE CODE	T402	ADDITIONAL COST	
SCHOOL	School of Computer Technology		
CENTRE	Arts, Design and Information Technology		
LOCATION	Casa Loma Campus		
DURATION	1 year (3 semesters)		
EXPERIENTIAL LEARNING	Work Integrated Learning Semester		
STARTING MONTH	September, January		
CREDENTIAL	Ontario College Graduate Certificate		
YEAR OF STUDY	2018-2019		
METHOD OF STUDY	FT		
APPLY TO	Ontario Colleges ¹		

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 website².

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.

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. 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

SEMESTER 1

Code	Course Name
BUS4051	Foundations of Business Analysis
BUS4053	Business Analysis Competencies and Techniques I
BUS4054	I.T. Project Management
BUS4065	Advanced Communications
COMP4014	Health-Care System
COMP4015	Health-Care Information Technology
COMP4080	Knowledge Management and Clinical Decision-Making

SEMESTER 2

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

SEMESTER 3

Code	Course Name
TCOP4002	Co-op Work Placement
OR	
BUS4081	Work Integrated Learning

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/ca³.

ENGLISH LANGUAGE PROFICIENCY

Applicants with international transcripts who do not provide English language proficiency test results ⁴must 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 Technology⁵

Phone: 416-415-5000, ext. 4287

Email: computertechnology@georgebrown.ca

The office hours are 9 a.m. – 4 p.m.

Health Informatics Program coordinator: Therese Bernier
Email: Therese.Bernier@georgebrown.ca

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 at our Casa Loma Campus⁶. Sign up for an Information Session⁷ or Campus Tour⁸ to learn more about George Brown College and the program. You can also explore our virtual tour.⁹

LINKS REFERENCE

¹<https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=T402&lang=en>

²<https://www.iiba.org/certification/core-business-analysis-certifications/>

³<http://www.wes.org/ca/>

⁴<http://www.wes.org/ca/>

⁴<http://www.georgebrown.ca/englishproficiency/>

⁵<http://www.georgebrown.ca/computertechnology/>

⁶<http://www.georgebrown.ca/campuses/casa-loma/>

⁷http://www.georgebrown.ca/computertechnology_info/

⁸http://www.georgebrown.ca/campus_tours/

⁹<http://vt.georgebrown.ca/>

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INFORMATION SYSTEMS BUSINESS ANALYSIS PROGRAM (WITH EXPERIENTIAL LEARNING CAPSTONE) (T405)

PROGRAM NAME	Information Systems Business Analysis	TUITION	\$8,978.00* ‡
COURSE CODE	T405	ADDITIONAL COST	
SCHOOL	School of Computer Technology		
CENTRE	Arts, Design and Information Technology		*Amounts listed are the total of tuition, materials, student service and ancillary fees for the first two semesters of program starting in fall 2017 . Fees are subject to change for programs starting in fall 2018 and at later dates.
LOCATION	Casa Loma Campus		
DURATION	1 year (3 semesters)		‡May semester fees are paid separately.
EXPERIENTIAL LEARNING	Work Integrated Learning semester		
STARTING MONTH	September, January	International students:	Visit the International Fees and Related Costs ² page for more information.
CREDENTIAL	Ontario College Graduate Certificate		
YEAR OF STUDY	2018-2019		
METHOD OF STUDY	FT		
APPLY TO	Ontario Colleges ¹		

The **Information Systems Business Analysis** graduate certificate program at George Brown College is designed to meet the urgent need for professionals who can be the key liaison between business and information technology functions within an organization. Further, George Brown is recognized by the International Institute of Business Analysis as an Academic Member, and is proud to offer the IIBA® Academic Diploma.

This intensive program is designed for IT or business professionals who aspire to enter into a business analyst role, or practitioners who wish to enhance their experience with formal education. A deeper level of understanding of the business analyst role will be developed through unique learning techniques and invaluable practical experience. Participants will be engaged and supported by a team of business analyst consultants and faculty in developing critical skills and competencies in the areas of:

- problem identification
- documenting and analyzing user requirements
- process and workflow modelling
- communication and facilitation
- project management
- technical writing
- leadership and management
- decision-making

A key characteristic of this program is the applied nature of the curriculum. Students are immersed in the process of business analysis through case histories of real-world business issues, and are responsible for developing solutions. The uniqueness of this program is in creating a practicing business analyst rather than creating someone who knows how to do it. This program creates work-ready graduates who can do, and have done, the business analysis process through applied, hands-on experience.

DELIVERY

- This full-time program is delivered in a blended format, combining face-to-face sessions with online delivery.
- You will generally meet late afternoons, evenings, and weekends. This delivery format accommodates those who wish to work while taking this program.

IIBA ACADEMIC MEMBERSHIP

Academic Membership in the International Institute of Business Analysis (IIBA) offers colleges and universities that have Business Analyst curriculums and care about advancing the BA profession within their student population the opportunity 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.

NEW – GRADUATES RECEIVE THE IIBA ACADEMIC DIPLOMA

Students who successfully graduate from the program with an average of at least 77% will receive a second credential – the IIBA® Academic Diploma. Accredited directly from the International Institute of Business Analysis, this diploma recognizes the student's theoretical understanding of the Business Analyst Body of Knowledge (BABOK), as well as a minimum number of hours of practical experience received through the duration of the program.

ABOUT THE IIBA ACADEMIC DIPLOMA

The IIBA® Academic Diploma in Business Analysis is designed for students who have chosen business analysis and the role of the business analyst as their desired profession.

The multi-course business analysis diploma program provides both foundational and applied knowledge in business analysis by offering hands-on experience to practice and demonstrate an understanding of the classroom concepts through co-ops, internships or progressive case studies. The business analysis diploma program also provides course work in supporting disciplines to ensure students can interact effectively across an organization.

EXPERIENTIAL LEARNING

Work Integrated Learning semester

YOUR FIELD STUDY OPTIONS

CO-OP/WORK INTEGRATED LEARNING INDUSTRY EXPERIENCE

Upon completion of semester two, students will begin their final academic semester of study – the Work Integrated Learning semester. This will enable students to engage in industry work experience through their final semester while meeting the program’s academic requirements.

Our many industry partners and applied research project partners benefit greatly from this program’s non-standard delivery format. It allows our students to engage in authentic, real-world work settings throughout the week while learning! Opportunities to complete this semester now include engaging in formal co-op placements, internships and applied research to provide students with the most opportunities possible to create relevant learning experiences. These industry opportunities also contribute to students receiving the IIBA® Academic Diploma.

THE INDUSTRY

INDUSTRY FEEDBACK

“I wanted to thank you for sending such great candidates to our attention. The top two people interviewed for our IT analyst position were from George Brown.”

Catherine Commins, General Manager, Advanced Chemistry Development, Inc. (ACD/Labs)

“Porter Airlines has utilized George Brown College’s business analyst students within our IT Division for over two years with great success. The Information Systems Business Analysis program’s flexibility in allowing its students to work with industry partners, like Porter Airlines, while learning is invaluable for learners, and for industry. The business analysts come to us well trained, are keen to add value to projects, and blend well in our business environment. This year, we even hired one full-time before he graduated! Thank you!”

Lynda Neil, PMP Manager, Project Management Office, Porter Airlines Inc.

“By having students from the Information Systems Business Analysis program work with us, we were able to ensure quality work was accomplished on a very important project. These students were able to gain significant experience working in the field with a large team, dealing with various employees and stakeholders. Everyone involved was able to walk away having gained important experience and achieved positive results, and we look forward to continuing a relationship with George Brown College.”

Amos Adler, President, MEMOTEXT Inc.

PROGRAM STANDARDS AND LEARNING OUTCOMES

The graduate has reliably demonstrated the ability to:

1. Document business processes using effective and established research and documentation methods and business improvement procedures.
2. Plan and manage the requirements gathering activities throughout the requirements process for changes to a business system.
3. Analyze the information collected during the requirements elicitation to identify gaps and define the capabilities of an acceptable solution using appropriate methods, tools, techniques and documentation.
4. Document business requirements in accordance with standard business practices.
5. Communicate the results of business requirements analysis and documentation to a broad and diverse audience using appropriate communication tools and styles.
6. Develop test strategies to ensure that business requirements and stakeholder objectives for changes to a business system are met.
7. Apply negotiation and problem-solving skills to build effective stakeholder alignment.

REQUIRED COURSES

This is a three-semester program comprising case studies during which students will be engaged on an increasingly intense and independent basis with material of escalating complexity. Course-oriented delivery supports this learning process.

SEMESTER 1

Code	Course Name
BUS4051	Foundations of Business Analysis
BUS4053	Business Analysis Competencies and Techniques I
BUS4054	I. T. Project Management
BUS4055	Quantitative Research/Qualitative Research
BUS4061	Business Analyst Case Study I
BUS4065	Advanced Communications
COMP4017	Introduction to Information Systems

SEMESTER 2

Code	Course Name
BUS4062	Business Analyst Case Study II
BUS4063	Business Analysis Competencies and Techniques II
BUS4064	Business Analyst Software Tools
BUS4072	Portfolio Development and Work Search Preparation
BUS4078	Trends and Perspectives in Business Analysis

ANALYSIS AND ANALYTICS SPECIALIZATION

Code	Course Name
BUS4066	Introduction to Analytics Systems
BUS4067	User Interface Design/ User Experience

FINANCE SPECIALIZATION

Code	Course Name
FIN1003	Financial Systems in Canada
FIN4015	Canadian Securities I

SEMESTER 3

Code	Course Name
TCOP4002	Co-op Work Placement
OR	
BUS4081	Work Integrated Learning

YOUR CAREER

According to the Information and Communications Technology Council (2011), “the most rapidly growing information and communication technology (ICT) occupations are those which combine ICT skills with an understanding of business needs.”

- There are approximately 150,000 Business Analysts and related professionals in Canada.
- BA roles have been the fastest-growing ICT employment occupation in Canada from 2000 to 2010, growing approximately 120 per cent in that time.
- ICTC recognizes “Pervasive Shortages” for Information Systems Analysts and Consultant professionals through and beyond 2016.

Common job titles include:

- Business Analyst
- Business Systems Analyst
- Computer Systems Analyst
- Informatics Consultant
- Information Systems Business Analyst
- Information Systems Quality Assurance Analyst
- Management Information Systems (MIS) Analyst

ADMISSION REQUIREMENTS

- Two-year or three-year College Diploma or Bachelor's Degree in Computer Science, Commerce, Engineering or related field from an accredited institution*.
- Minimum one year of relevant work experience (resumé 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/ca³

ENGLISH LANGUAGE PROFICIENCY

- Applicants with international transcripts who do not provide English 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 information.

COURSE EXEMPTIONS

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

INTERNATIONAL STUDENTS

Visit the International Admissions⁴ page for more information.

“The Information Systems Business Analysis program taught me business analysis best practices for a variety of industries, which increased my marketability and gave me the experience I needed to successfully fulfill the responsibilities of my current business analyst role. The year-long program let me practice and apply my skills in-depth to a real-life project, while the faculty provided me with excellent support that allowed me to excel as a business analyst.”

Carol Chung (Graduate 2009, Information Systems Business Analysis)

“The Information Systems Business Analysis postgraduate program has been one of the biggest cornerstones of my career. From this program, I was not only able to learn about business analysis, but also work with industry partners to apply the knowledge and skills I attained in the program. This has opened up more doors and opportunities and challenged me to perform and grow as a business analyst.

Through this program, I have been able to work as a business analyst for CIBC’s Wholesale Banking Technology and TD Canada Trust on projects that require extensive knowledge and application of business analysis tools and skills. The program explores very important aspects which include enterprise analysis, business planning and monitoring, and other requirement management techniques, which have helped me apply myself and become a better business analyst. I would definitely recommend this program to anyone who seeks to enter or needs to advance in the field of business analysis.”

Moses Wamambo (Graduate 2011, Information Systems Business Analysis)
Business Analyst, TD Canada Trust

LINKS REFERENCE

- ¹<https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=T405&lang=en>
- ²<http://www.georgebrown.ca/international/futurestudents/tuitionfees/>
- ³<http://www.wes.org/ca/>
- ⁴<http://www.georgebrown.ca/international/futurestudents/applynow/>
- ⁵<http://www.georgebrown.ca/computertechnology/>
- ⁶<http://www.georgebrown.ca/campuses/casa-loma/>
- ⁷http://www.georgebrown.ca/computertechnology_info/
- ⁸http://www.georgebrown.ca/campus_tours/
- ⁹<http://vt.georgebrown.ca/>

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CONTACT US

School of Computer Technology⁵

Phone: 416-415-5000, ext. 4287

Email: computertechnology@georgebrown.ca

The office hours are 9 a.m. – 4 p.m.

Program coordinator: Tyler Krimmel

Phone: 416-4155000

x4013Email: tkrimmel@georgebrown.ca

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 Information Systems Business Analysis program is offered at our Casa Loma Campus⁶. Sign up for an Information Session⁷ or Campus Tour⁸ to learn more about George Brown College and the program. You may also explore our virtual tour.⁹

NETWORK AND SYSTEM SECURITY ANALYSIS PROGRAM (POSTGRADUATE) (T413)

PROGRAM NAME	Network and System Security Analysis	TUITION	\$13,435.00 *
COURSE CODE	T413	ADDITIONAL COST	
SCHOOL	School of Computer Technology		
CENTRE	Arts, Design and Information Technology		
LOCATION	Casa Loma Campus		
DURATION	1 year (3 semesters)		
STARTING MONTH	September, January		
CREDENTIAL	Ontario College Graduate Certificate		
YEAR OF STUDY	2018-2019		
METHOD OF STUDY	FT		
APPLY TO	Ontario Colleges ¹		

*Amounts listed are the total of tuition, materials, student service and ancillary fees for the first **three** semesters of programs starting in fall **2017**. Fees are subject to change for programs starting in fall 2018 and at later dates.

International students: Visit the International Fees and Related Costs² page for more information.

The **Network and System Security Analysis (NaSSA)** graduate certificate program at George Brown College is designed to meet the high demand for information system security analysts and related IT security professionals across multiple sectors – including high-demand sectors such as consulting services, finance and health care.

Students graduating from this program will enter into a specialized information and communication technology (ICT) field. They will have the capabilities to assess and evaluate security risks and threats to physical and digital infrastructure, develop and implement security contingency planning, and lead the development of policies and procedures to ensure that security risk is minimized.

DELIVERY

- This full-time program is delivered in a blended format, combining face-to-face sessions with online delivery.
- This delivery format is designed to accommodate those who wish to work while taking this program.
- This schedule will require that learners attend classes, generally in the late afternoons and evenings through the week, plus all day Saturday.

THE SECURITY INNOVATIONS LABORATORY (SILO)

Casa Loma Campus, as part of a \$20-million expansion, is home to George Brown College's **Security Innovations LabOratory (SILO)** – a new learning space to support collaboration between our industry partners and students. SILO will be a standalone lab/sandbox intended to replicate live environments that can be configured to include firewalls, switches, routers, access points and mobile hardware for testing. This space is intended to be the home of the NaSSA program, as well as to be commercially available to our partner organizations, bringing industry into the learning environment. In addition to SILO, George Brown College has invested over \$1.5 million to create up-to-date wireless, security, VoIP and RF labs so that all students gain individual hands-on experience.

PROGRAM STANDARDS AND LEARNING OUTCOMES

The graduate has reliably demonstrated the ability to:

1. Apply knowledge of computer operating systems, networking and various application software to the simulation of business processes.
2. Develop best practices to protect business resources through the application of knowledge of vulnerabilities and exploits.
3. Develop security strategies for the deployment of security procedures and protective devices.
4. Integrate information technology strategies that support business functions by employing knowledge of best practices of business processes and systems.
5. Develop security plans and strategies that include acceptable use of business information and systems by internal employees, contractors, consultants, business partners and customers.
6. Develop security plans and strategies that ensure the integrity of information in compliance with best practices, relevant policies, standards and regulations.
7. Apply project management principles in the deployment of security policies and strategies.
8. Perform security audits to ensure compliance with security plans, policies, standards, regulations and best practices.
9. Develop and deliver a corporate training program to communicate both orally and in writing the security requirements for compliance with security policies.
10. Prepare security documentation of approval by senior management and present results of security audits.

REQUIRED COURSES

SEMESTER 1

Code	Course Name
COMP1154	Equipment Deployment Interconnectivity and Wiring
COMP4041	Operating Systems Security I
COMP4043	Data Governance for Private, Confidentiality, and Regulatory Compliance
COMP4044	Cyberspace Security
COMP4046	Network and Computer Security Fundamentals
COMP4047	ICT Competencies I

SEMESTER 2

Code	Course Name
COMP4053	Advanced Data Network Security
COMP4054	Operating Systems Security II
COMP4055	Cryptography and Network Security
COMP4056	Secure Network Architecture
COMP4057	Ethical Hacking and Penetration Testing
COMP4058	Security Trends and Issues
COMP4059	ICT Competencies II

SEMESTER 3

Code	Course Name
COMP4061	Contingency Planning and Disaster Recovery
COMP4060	Advanced Risk Analysis
COMP4063	Capstone Industry Project
COMP4071	Advanced Security Management and Auditing
COMP4073	Advanced Firewall, IDS/IPS and Virtual Private Networks(VPNs) Technology
COMP4074	Securing Wireless and Mobile Networks Access

YOUR CAREER

The growth of cyber security represents a strategic, social and business risk for organizations and the nation at large. In the Information and Communication Technologies Council (ICTC) 2011 – 2016 Outlook Report (published in 2011), security was identified as a leading technology concern by companies surveyed. This concern was driven by regulatory compliance, liability concerns, and the serious damage to an organization's reputation arising from a publicized security breach.

As a result of the growth in Information and Communication Technologies (ICT)-related theft, fraud and damages, employer demand for information systems security professionals is increasing, and growth is projected to continue. A Global Information Security Workforce Study (GISWS) indicated that the number of information system security professionals worldwide had risen more than 40%, from 1.6 million in 2008 to 2.7 million in 2012. The 2015 GISWS concluded that the information security workforce shortfall is widening. The estimated shortfall is 1.5 million from 2015 to 2020.

FUTURE STUDY OPTIONS

Students who successfully complete this program may qualify for entry into Ontario college graduate certificate and university degree programs.

For further information, see georgebrown.ca/transferguide.

ADMISSION REQUIREMENTS

- Three-year College Diploma or Bachelor's Degree in Information Technology, Computer Sciences, or a related field
- One year related work experience (resume required)

ENGLISH LANGUAGE PROFICIENCY

English language proficiency is essential. Applicants with international transcripts who do not provide English 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.

INTERNATIONAL STUDENTS

Visit the International Admissions³ page for more information.

CONTACT US

School of Computer Technology⁴

Phone: 416-415-5000, ext. 4287

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The office hours are 9 a.m. – 4 p.m.

Program coordinator: Jacky Min

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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 Network and System Security Analysis program is offered at our Casa Loma Campus⁵. Sign up for an Information Session⁶ or Campus Tour⁷ to learn more about George Brown College and the program. You can also explore our virtual tour.⁸

LINKS REFERENCE

¹<https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=T413&lang=en>

²<http://www.georgebrown.ca/international/futurestudents/tuitionfees/>

³<http://www.georgebrown.ca/international/futurestudents/applynow/>

⁴<http://www.georgebrown.ca/computertechnology/>

⁵<http://www.georgebrown.ca/campuses/casa-loma/>

⁶http://www.georgebrown.ca/computertechnology_info/

⁷http://www.georgebrown.ca/campus_tours/

⁸<http://vt.georgebrown.ca/>

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WIRELESS NETWORKING PROGRAM (POSTGRADUATE) (T411)

PROGRAM NAME	Wireless Networking	TUITION	\$5,959.00 †
COURSE CODE	T411	ADDITIONAL COST	† Amounts listed are the total of tuition, materials, student service and ancillary fees for three semesters of programs starting in fall 2017 . Fees are subject to change for programs starting in fall 2018 and at later dates.
SCHOOL	School of Computer Technology	International students:	Visit the International Fees and Related Costs ² page for more information.
CENTRE	Arts, Design and Information Technology		
LOCATION	Casa Loma Campus		
DURATION	1 year (3 semesters)		
STARTING MONTH	September, January		
CREDENTIAL	Ontario College Graduate Certificate		
YEAR OF STUDY	2018-2019		
METHOD OF STUDY	FT		
APPLY TO	Ontario Colleges ¹		



Wireless communications are pervasive in our lives. They have grown in recent years to include everything from personal communications networks to governments, hospitals and

neighborhood businesses. And there's no end in sight to the growth of our wireless world.

George Brown College's leading-edge Wireless Networking postgraduate program is designed to put you at the centre of this exciting world by giving you high-demand skills in radio frequency (RF), cellular, broadband and advanced data communications.

We offer you a unique choice of career direction. You can specialize in:

- Long Term Evolution (LTE) and Broadband Technologies
- Advanced Network Security
- Voice over Internet Protocol (VoIP) Technologies

Other program advantages:

- We have departed from the traditional lecture-based course structure. Students learn in labs by practicing on the equipment that they will use when they enter the workforce.
- In conjunction with our corporate partners, students may be involved in real-world projects for one or two days per week, making proposals and then working in teams to plan projects, set schedules and achieve goals.
- George Brown has created up-to-date wireless, security, VoIP, RF and LTE labs so that all students gain individual hands-on experience.
- Students will have access to NETLAB, giving them remote access to the Cisco Academy and VMWare labs.
- After finishing the program, students will have bridging options to other post-secondary and postgraduate programs in the School of Computer Technology.

Note: In this rapidly changing industry, program improvements are being made on an ongoing basis, which may result in course changes. Changes are made in consultation with our Program Advisory Committee, which is composed of academic staff and industry representatives from small, medium-sized and large corporations.

Please note: Students who start the program in January (Winter term) will be required to attend classes during the summer months (May to August).

PROGRAM STANDARDS AND LEARNING OUTCOMES

The graduate has reliably demonstrated the ability to:

1. Test and measure RF (radio frequency) signals, attenuation and antenna systems.
2. Assist with the preparation and execution of wireless site surveys.
3. Build a wired and/or wireless computer network using system design documentation.
4. Measure performance of both wired and wireless network components and applications using a variety of basic and advanced network management tools.
5. Produce documentation and reports related to network components and applications performance.
6. Troubleshoot and resolve technical problems related to both wired and wireless networks using standardized approaches and methodologies.
7. Install and upgrade network hardware (e.g. workstations, servers, wireless access points, routers, switches, firewalls) and related components and software according to best practices in the industry.
8. Monitor and evaluate network security issues and perform basic security audits on both wired and wireless networks.
9. Assist in the collection and analysis of user requirements related to wired and wireless networks.
10. Utilize change control, issue documentation and problem escalation procedures and processes as per industry best practices.

11. Generate and maintain “as built” network documentation following industry best practices.
12. Compare network performance against service levels and assist in the development of action plans as required against service level agreements.
13. Employ concepts and practices as defined in ITIL (IT Infrastructure Library) to manage IT services and operation, including project management tools and techniques.

REQUIRED COURSES

SEMESTER 1

Code	Course Name
COMP1153	Introduction to RF/Wireless Communication Principles
COMP1154	Equipment Deployment, Interconnectivity and Wiring
COMP1156	Introduction to UNIX
COMP1201	Wireless Networking Service and Applications
COMP1205	IT Best Practices
COMP1219	Data Communications Fundamentals

SEMESTER 2

Code	Course Name
COMP1159	Introduction to Voice Network Technology and Techniques
COMP1160	RF/Wireless Techniques
COMP1161	Security and Advanced Data Network Technologies
COMP1207	Data Centre and Virtualization Technology
COMP1208	Server Operating System Technologies

SEMESTER 3

Code	Course Name
COMP2105	Advanced Network Analysis
COMP2106	Advanced Network Management
COMP2107	Team Project: Network Design

For the field projects, students will work in teams supervised by our industry partners.

Students in the third semester are required to choose one set of program specialization courses. Minimum enrolment and grade point averages are required for each option to be offered.

SET 1 – LONG TERM EVOLUTION (LTE) AND BROADBAND TECHNOLOGIES.

Code	Course Name
COMP2145	LTE and 4G Technologies
COMP2146	LTE Core and IMS Deployment

SET 2 – ADVANCED NETWORK SECURITY

Code	Course Name
COMP1214	Advanced Security Infrastructure and Deployment Technologies
COMP4074	Securing Wireless and Mobile Network Access

SET 3 – VOICE OVER INTERNET PROTOCOL

Code	Course Name
COMP2118	VoIP Network Technologies
COMP2119	VoIP Network Deployment and Maintenance

YOUR CAREER

The specialized education in this program helps graduates get jobs in a wide variety of positions connected with:

- wireless LAN support
- wireless service providers
- cellular and broadband providers
- data centres
- enterprise system support

ADMISSION REQUIREMENTS

- Three-year College Diploma or Bachelor's Degree*

* 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/ca³

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COURSE EXEMPTIONS

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INTERNATIONAL STUDENTS

Visit the International Admissions⁴ page for more information.

“George Brown College allowed me to gain hands-on experience and develop networks with people in the field. Every day I use the concepts and skills I gained in the program.”

Nancy Nangia (Graduate 2008, Wireless Networking)

CONTACT US

School of Computer Technology⁵

Phone: 416-415-5000, ext. 4287

Email: computertechnology@georgebrown.ca

The office hours are 9 a.m. – 4 p.m.

Program coordinator: Khalid Danok

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3675 Email: kdanok@georgebrown.ca

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³<http://www.wes.org/ca>

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⁵<http://www.georgebrown.ca/computertechnology/>

⁶<http://www.georgebrown.ca/campuses/casa-loma/>

⁷http://www.georgebrown.ca/computertechnology_info/

⁸http://www.georgebrown.ca/campus_tours/

⁹<http://vt.georgebrown.ca/>

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