Forensic Investigation (Crime and Intelligence Analysis Option)

Bachelor of Technology Part-time School of Computing and Academic Studies

Overview

The part-time Forensic Investigation: Crime and Intelligence Analysis Bachelor of Technology program trains you how to create tactical analysis, operational intelligence and strategic intelligence products from information collected during criminal investigations. It uses an intense learning environment to hone your research and analysis skills.

Delivery: blended and online options. See details.

As criminals become more proficient, analysts must be able to use equally sophisticated analytical skills. The Crime and Intelligence Analysis (CIA) Bachelor of Technology (BTech) trains you to apply the tools and techniques required to solve complex investigations.

In addition to core technical training, you will also:

- Get access to a network of intelligence professionals
- Receive recognition from international professional associations

About the program

- 3 intakes: January, April, and September [1]
- Offered evenings and weekends
- Up to 7 years to complete the program
- Fully synchronous program, with some classes offered on-campus
- Exciting and meaningful range of career opportunities after graduation

See the Program Details [2] to learn more about what you can expect from CIA, and how you can prepare for a career as an intelligence analyst.

Who should complete the CIA BTech?

This program might be for you if you:

- Have not yet completed a Bachelor's degree in Social Sciences
- Thrive in a high-intensity learning environment
- Enjoy hands-on use of leading-edge crime and intelligence analysis tools (e.g. visual investigative analysis software, crime mapping and statistical software)
- Want to develop intelligence end-products that help drive front-line operations and deploy patrol resources more effectively
- Want to complete your own research project in a series of Capstone courses

If any of these sound like you, please check the Entrance Requirements [3] to ensure you can apply and start your new analyst career!

What Crime and Intelligence Analysis grads can do

By earning your BCIT degree, you'll be honing your CIA skills and gaining knowledge of various industry-recognized technologies, preparing you for positions in private industry, as well as in Municipal, Provincial and Federal law enforcement agencies and regulatory bodies.

You'll have excellent job opportunities because there is a growing requirement for professionals in both the private and public sectors. For example, have a look at where our grad, Steve Corbeil [4] ended up working.

Learn more about job positions and future opportunities on the Graduating and Jobs page [5] .

Entrance Requirements

Application processing

Applications are accepted throughout the year.

Entrance requirements

Most courses may be taken for professional development purposes on an individual course basis without formally applying to the program. To request approval to take a course for professional development, email the Program Assistant identifying which course you'd like to take and attach your current resume along with a brief explanation of how it pertains to your occupation or area of studies.

This program has a two-step admission process. Applicants must meet all entrance requirements to be accepted.

Step 1: Pre-entry assessment

Contact the Program Assistant for a pre-entry assessment.

You must upload an approved pre-entry assessment from the program area to your online application.

The following documents will be required for your pre-assessment:

- Resume
- Completed and signed applicant waiver form from the program area

Step 2: Meet the following entrance requirements

- **English language proficiency:** Category 2 [6] – English Studies 12 (67%) or equivalent

- **Completion of a minimum of 60.0 credits of courses** from one or more recognized post-secondary institutions prior to admission including:
    - 6.0 credits from outside of core academic discipline [PDF] [7]
- **Criminal Record Check (CRC)**
    - Contact your local police department to obtain the appropriate forms - Letter for police department [PDF] [8]
    - Must be issued within one year of your application date
    - The outcome of the CRC may influence your acceptability for this program

Applicants who have completed post-secondary studies outside of Canada, the United States, the United Kingdom, Australia or New Zealand will require a comprehensive evaluation of their credentials by the International Credential Evaluation Service (ICES) [9]. Credential evaluation reports from other Canadian services [10] may be considered. These reports must include course-by-course evaluations and GPA calculations.

Read more about how to meet BCIT's entrance requirements [11]

Recommended for success

- Attend an information session prior to applying for this program. For more information and to register for an information session visit the Forensics website [12].

International applicants

Blended delivery

This program is available to international applicants who currently have a valid status in Canada [13]. A valid study permit [14] is required prior to starting the program.

Online delivery

This program is available to international applicants who will complete the program from outside Canada or who currently have a valid status in Canada [15] other than study permit. International applicants accepted into this program are not eligible for a study permit.

Apply to program

To submit your application:

- Include proof of meeting all entrance requirements.
- Convert all transcripts and supporting documents to PDF files [16].
- Have a credit card ready to pay the application fee.

Learn more about how to apply [18].

Scheduled Intakes

Ongoing Flexible Learning (Part-time Studies) intakes: January, April, and September. [19]

Prior Learning Assessment & Recognition (PLAR)

Prior Learning Assessment Recognition (PLAR) [20] lets student use knowledge and skills learned outside recognized programs to gain exemption for particular courses in the program. Contact the Program Assistant for details.

myCommunication

Within two business days of submitting your completed application, BCIT will send a message to your personal and myBCIT email addresses. All correspondence regarding your application will be posted to your online myCommunication [21] account at my.bcit.ca [22]. We will send you an email when a new message is posted. It is important to watch for these emails or regularly check your account online.

You can expect to receive communication concerning the status of your application within four weeks.

Costs & Supplies

Tuition fees

Flexible Learning (Part-time Studies) tuition is charged on a course-by-course basis. Please see the Flexible Learning Tuition & Fees [23] page for more information on domestic and international tuitions.

Financial assistance

Financial assistance may be available for this program. For more information, please contact Student Financial Aid and Awards [24].

Courses

Program matrix

Check current availability of courses [25] for this program.

1. Core Courses 1.1 General Education (9.0 credits)		Credits
COMM 7200 [26]	Report Writing and Workplace Communication for Forensic Investigation	3.0
LIBS 7001 [28]	Critical Reading and Writing	3.0
LIBS 7002 [30]	Applied Ethics	3.0

1.2 Applied Management (3.0 credits)		Credits
FSCT 7120 [32]	Project Management for Investigations	3.0

1.3 Legal Framework (6.0 credits)		Credits
FSCT 7001 [34]	Forensic Applications of Criminal Law 1: Legal Procedures	2.5
FSCT 7002 [36]	Criminal Law 2: Legal Evidence	2.5
FSCT 7005 [38]	Introducing Forensic Evidence at Trial	1.0

1.4 Data Analytics (12.0 credits)		Credits
FSCT 8431 [40]	Applied Research Methods & Statistics in Crime Analysis	3.0
FSCT 8432 [42]	Reasoning for Crime and Intelligence Analysis	3.0
FSCT 8434 [44]	Crime Mapping	3.0
FSCT 8438 [46]	Data Analytics and Visualization	3.0

2. Crime and Intelligence Analysis (21.0 credits)		Credits

Students must complete a minimum of 18.0 credits from the Core Specialty Courses. The remaining 3.0 credits can be taken from the Elective Specialty Courses section below for a total of 21.0 credits.

Core Specialty Courses (18.0 credits)

FSCT 8430 [48]	Organized Crime Analysis	3.0
FSCT 8436 [50]	Introduction to Crime and Intelligence Analysis	3.0
FSCT 8481 [52]	Major Crimes Analysis	3.0
FSCT 8482 [54]	National Security Analysis	3.0
FSCT 8486 [56]	Strategic Analysis	3.0
FSCT 8520 [58]	Social Media and Open-Source Investigative Techniques	3.0

Elective Specialty Courses (3.0 credits)		Credits
FSCT 7240 [60]	Essentials of Cyber Crime	3.0
FSCT 8439 [62]	Open Source Data Analytics	3.0

3. Graduation Project (12.0 credits)		Credits

In order to graduate, all students are required to complete a graduation project comprised of one research methodology course and three capstone research courses.

FSCT 7910 [64]	Research Methodology and Measurement Models	3.0
FSCT 8611 [66]	Graduation Project 1	3.0
FSCT 8622 [68]	Graduation Project 2	6.0

Total Credits:		63.0

Check current availability of courses [70] for this program.

Transfer credit

Do you have credits from another BC/Yukon post-secondary school? Do you want to know if they transfer to courses here at BCIT? Check out BCIT's Transfer Equivalency Database [71] to find out.

Program Details

After graduating, you'll be able to:

- Align intelligence analysis with the tactical, operational and strategic mandates of an organization
- Apply methodologies associated with each of the Intelligence cycle stages toall-source data (e.g., law enforcement, opensource national security, and financial information) for the benefit of organizational mandates
- Create, implement and analyze collection plans and analysis plans relating to threat assessments
- Design and create data sets and develop information processing procedures for subsequent qualitative and quantitative analysis
- Collate, analyze and disseminate geographic data to map activities that fall under the mandates of government agencies, crown corporations, and private sector
- Synthesize all-source information using a variety of methodologies to identify patterns, series and trends for investigative and intelligence purposes

Program length

The Bachelor of Technology in Forensic Investigation must be completed within seven years from acceptance into the program.

Grading

Depending on the course learning outcomes, students will be graded on a combination of the following:

- Participation in in-class exercises
- Participation in and completion of case studies
- Participation in discussion forums
- Submission of completed projects
- Submission of completed assignments
- Quizzes
- Mid-term and final examinations

The minimum passing grade for each course is 60%.

Additional program options

- Digital Forensics and Cybersecurity [72]
- Forensic Science [73]

Program delivery

Online: This program is delivered fully online.

Blended: This program is delivered partly on campus and partly online.

Program location

Courses may be offered at the following locations:

Burnaby Campus [74]
3700 Willingdon Avenue
Burnaby, BC

Downtown Campus [75]
555 Seymour Street
Vancouver, BC

Distance and online learning [76]

Program structure

Components	Credits
1. Core Courses	30.0

1.1 General Education	9.0	
1.2 Applied Management	3.0	
1.3 Legal Framework	6.0	
1.4 Data Analytics	12.0	

Components	Credits
2. Criminal Intelligence Analysis Specialty Courses	21.0
3. Graduation Project	12.0

Total	63.0

Graduating & Jobs

Job Opportunities

Crime and intelligence analysts are employed by the military and law enforcement agencies at the municipal, provincial and federal levels. They also work for federal and provincial ministries whose mandates involve the environment, business, taxation and immigration. Analysts may be called upon to provide a variety of analytical services and products. Crime and intelligence analysis is a rapidly growing branch within law enforcement agencies and in the private sector, a trend that is expected to continue in the foreseeable future.

Some position titles (in law enforcement) include:

- Crime Analyst
- Intelligence Analyst
- Major Crimes Analyst
- National Security Analyst
- Strategic Intelligence Analyst
- Research Analyst
- Open Source Analyst

Graduate employment outcomes

The BCIT student outcomes report presents summary findings from the annual survey of former students administered by BC Stats one to two years after graduation. These reports combine the last three years of available results for the 2021-2023 BCIT Outcomes Surveys of 2020-2022 graduates and for Degree 2019-2021 graduates. The reports are organized into three-page summaries containing information on graduates' labour market experiences and opinions regarding their education. More detailed information can be accessed at the BC Student Outcomes [77] website.

To view these results, you may need to have the Adobe Acrobat Reader [78] installed in your Web browser.

- Forensic Investigation (Crime and Intelligence Analysis Option) [79]

Apply for graduation

Students must complete a minimum of three months relevant work experience prior to program completion. The work experience must be reviewed and approved by the Program Coordinator. Contact the Program Coordinators for further details.

Upon successful completion of all program requirements, complete an Application for BCIT Credential [80] [PDF] and submit to Student Information and Enrolment Services.

Allow approximately six to eight weeks for processing.

All financial obligations to the Institute must be met prior to issuance of any credential.

Faculty, Advisors & Staff

Ken Schulz, Program Head

Ken completed his M.A. (Criminology) at Simon Fraser University in 1995. Since then, he has worked as an analyst with the Royal Canadian Mounted Police. He has worked as a Tactical Analyst on a variety of investigations under the provincial and federal mandates. He presently works in the field of Strategic Intelligence Analysis. He has been involved with the FSCT CIA programs from their inception.

email: kschulz8@bcit.ca

Magda Marczak, Faculty

Magda Marczak has been a part time instructor at BCIT since 2015, delivering FSCT 8436 – Introduction to Crime and Intelligence Analysis. Magda holds a Master of Arts Degree in Criminology from Simon Fraser University and BCIT Advanced Certificate in Forensic Investigation: Crime and Intelligence Analysis. Magda began her career in policing in 2004 with the Vancouver Police Department, and became one of the first civilian analysts in the organization. In 2008, Magda joined the Delta Police Department where she continued to develop as an analyst. In 2014, Magda became the manager in charge of the Surrey Crime Analysis Section, where she is currently overseeing a team of 15 analysts. In addition, Magda manages eight electronic file administrators who prepare disclosure packages, and one digital extraction technician.

In her spare time, Magda enjoys the outdoors and spending time with her family.

Cyril Sweetville, Faculty

Cyril Sweetville has 20 years of law enforcement and regulatory experience. Cyril has worked as a Customs Inspector, RCMP Police Officer, and police support staff for the RCMP and Abbotsford Police, as well as a Licencing Officer for DFO. Cyril has experience in frontline policing in the lower mainland and in northern Canada, in federal policing, as well as in national security and close protection. Cyril brings additional subject matter expertise from his work as a facilitator in the RCMP terrorism awareness program, and as instructor on the RCMP VIP close protection driving program.He holds Bachelors degrees in Religious Studies and Political Studies; a Postgraduate Certificate in Policing, Intelligence, and Counterterrorism; and has recently completed his Master's Degree in Homeland Security.

Cyril is currently an instructor in the National Security analysis course, and has also previously guest lectured in this subject matter at BCIT.

Bob Young, Faculty

Bob Young brings a wealth of practical experience, having worked for the Canadian Security Intelligence Service (CSIS) for 33 years as an intelligence officer across Canada and overseas, until recently retiring as the Regional Director General for BC and Yukon. Bob has also testified numerous times for CSIS and has continued doing so since retiring.Bob has degrees in Political Science, International Affairs and Law.

As Co-Instructor for the National Security Analysis course, Bob lectures on the Canadian national security community, terrorism, espionage, foreign interference, the insider threat, and ethics and intelligence, while providing Canadian examples and related challenges. During his classes, Bob encourages questions and class discussion in an effort to develop critical thinking skills (and to hopefully keep students awake).

Edwin Yong, Program Assistant

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Contact Us

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Patrick Neal – Program Coordinator

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Programs and courses are subject to change without notice.

List of links found on this page

This list includes all links found on this page for your reference.

[1] https://www.bcit.ca/flexible-learning/part-time-courses-programs/flexible-learning-key-registration-dates/
[2] https://www.bcit.ca/programs/forensic-investigation-crime-and-intelligence-analysis-option-bachelor-of-technology-part-time-847abtech/#details
[3] https://www.bcit.ca/programs/forensic-investigation-crime-and-intelligence-analysis-option-bachelor-of-technology-part-time-847abtech/#entry
[4] https://commons.bcit.ca/news/2022/11/crime-and-intelligence-career-path-helping-keep-kids-safe/
[5] https://www.bcit.ca/programs/forensic-investigation-crime-and-intelligence-analysis-option-bachelor-of-technology-part-time-847abtech/#graduating
[6] https://www.bcit.ca/admission/entrance-requirements/english-language-proficiency/#category2
[7] https://www.bcit.ca/files/admission/pdf/forensic_additional_credits.pdf
[8] https://www.bcit.ca/files/cas/forensics/pdf/fsct_crc_letter_2019.pdf
[9] https://www.bcit.ca/ices/
[10] https://www.cicic.ca/1374/obtain-an-academic-credential-assessment-for-general-purposes/index.canada
[11] https://www.bcit.ca/admission/entrance-requirements/
[12] https://www.bcit.ca/computing-academic-studies/forensics/
[13] https://www.bcit.ca/international-students/permits-visas-status/status-in-canada/
[14] https://www.bcit.ca/international-students/permits-visas-status/study-permits/
[15] https://www.bcit.ca/international-students/permits-visas-status/status-in-canada/
[16] https://www.bcit.ca/admission/how-to-apply/submitting-transcripts-supporting-documents/#documents
[17] https://apply.educationplannerbc.ca/bcit
[18] https://www.bcit.ca/admission/how-to-apply/
[19] https://www.bcit.ca/flexible-learning/part-time-courses-programs/flexible-learning-key-registration-dates/
[20] https://www.bcit.ca/admission/entrance-requirements/transfer-credit/prior-learning-assessment-recognition/
[21] https://www.bcit.ca/admission/after-you-apply/communicating-with-bcit/
[22] https://my.bcit.ca/
[23] https://www.bcit.ca/admission/tuition-fees/flexible-learning/
[24] https://www.bcit.ca/financial-aid/
[25] https://www.bcit.ca/courses/comm7200,fsct7001,fsct7002,fsct7005,fsct7120,fsct7240,fsct7910,fsct8430,fsct8431,fsct8432,fsct8434,fsct8436,fsct8438,fsct8439,fsct8481,fsct84
[26] https://www.bcit.ca/courses/report-writing-and-workplace-communication-for-forensic-investigation-comm-7200/
[27] https://www.bcit.ca/outlines/comm7200/
[28] https://www.bcit.ca/courses/critical-reading-and-writing-libs-7001/
[29] https://www.bcit.ca/outlines/libs7001/
[30] https://www.bcit.ca/courses/applied-ethics-libs-7002/
[31] https://www.bcit.ca/outlines/libs7002/
[32] https://www.bcit.ca/courses/project-management-for-investigations-fsct-7120/
[33] https://www.bcit.ca/outlines/fsct7120/
[34] https://www.bcit.ca/courses/forensic-applications-of-criminal-law-1-legal-procedures-fsct-7001/
[35] https://www.bcit.ca/outlines/fsct7001/
[36] https://www.bcit.ca/courses/criminal-law-2-legal-evidence-fsct-7002/
[37] https://www.bcit.ca/outlines/fsct7002/
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[39] https://www.bcit.ca/outlines/fsct7005/
[40] https://www.bcit.ca/courses/applied-research-methods-and-statistics-in-crime-analysis-fsct-8431/
[41] https://www.bcit.ca/outlines/fsct8431/
[42] https://www.bcit.ca/courses/reasoning-for-crime-and-intelligence-analysis-fsct-8432/
[43] https://www.bcit.ca/outlines/fsct8432/
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[46] https://www.bcit.ca/courses/data-analytics-and-visualization-fsct-8438/
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[48] https://www.bcit.ca/courses/organized-crime-analysis-fsct-8430/
[49] https://www.bcit.ca/outlines/fsct8430/
[50] https://www.bcit.ca/courses/introduction-to-crime-and-intelligence-analysis-fsct-8436/
[51] https://www.bcit.ca/outlines/fsct8436/
[52] https://www.bcit.ca/courses/major-crimes-analysis-fsct-8481/
[53] https://www.bcit.ca/outlines/fsct8481/
[54] https://www.bcit.ca/courses/national-security-analysis-fsct-8482/
[55] https://www.bcit.ca/outlines/fsct8482/

[56] https://www.bcit.ca/courses/strategic-analysis-fsct-8486/

[57] https://www.bcit.ca/outlines/fsct8486/

[58] https://www.bcit.ca/courses/social-media-and-open-source-investigative-techniques-fsct-8520/

[59] https://www.bcit.ca/outlines/fsct8520/

[60] https://www.bcit.ca/courses/essentials-of-cyber-crime-fsct-7240/

[61] https://www.bcit.ca/outlines/fsct7240/

[62] https://www.bcit.ca/courses/open-source-data-analytics-fsct-8439/

[63] https://www.bcit.ca/outlines/fsct8439/

[64] https://www.bcit.ca/courses/research-methodology-and-measurement-models-fsct-7910/

[65] https://www.bcit.ca/outlines/fsct7910/

[66] https://www.bcit.ca/courses/graduation-project-1-fsct-8611/

[67] https://www.bcit.ca/outlines/fsct8611/

[68] https://www.bcit.ca/courses/graduation-project-2-fsct-8622/

[69] https://www.bcit.ca/outlines/fsct8622/

[70]
https://www.bcit.ca/courses/comm7200,fsct7001,fsct7002,fsct7005,fsct7120,fsct7240,fsct7910,fsct8430,fsct8431,fsct8432,fsct8434,fsct8436,fsct8438,fsct8439,fsct8481,fsct84

[71] https://www.bcit.ca/admission/entrance-requirements/transfer-credit/

[72] https://www.bcit.ca/programs/forensic-investigation-digital-forensics-and-cybersecurity-option-bachelor-of-technology-full-time-part-time-847cbtech/

[73] https://www.bcit.ca/programs/forensic-investigation-forensic-science-option-bachelor-of-technology-part-time-847bbtech/

[74] https://www.bcit.ca/about/visit/campuses-directions/burnaby/

[75] https://www.bcit.ca/about/visit/campuses-directions/downtown/

[76] https://www.bcit.ca/flexible-learning/distance-online-learning/

[77] https://bcstats.shinyapps.io/so_data_viewer/

[78] https://get.adobe.com/reader/

[79] https://www.bcit.ca/files/ir/gp/847abtech.pdf

[80] https://www.bcit.ca/files/records/pdf/appl_4_credential.pdf

[81] https://www.bcit.ca/international-students/

[82] https://www.bcit.ca/financial-aid/

[83] https://secure.bcit.ca/sis/apply/