

# CRIME ANALYTICS (CAGC)

## Level up your crime-busting career with tech-savvy skills

Fight crime and protect your community with data. This program combines the emerging field of crime analytics with technology, research, and communications courses and is geared toward learners with a background or degree in police services.

Data from emails, videos, chat files, social media and text messages are just some of the mass amounts of data that can be used to gain crucial information. You'll train to collect, store, and analyze data sets to examine patterns of criminal behaviour, predict trends, and identify threats in your community. Using critical thinking exercises, you'll learn to work as a member of a major police case management team.

### Program highlights

- Online (HyFlex) delivery lets you study full-time or part-time with the option to attend classes on campus, online, or a combination of both
- Learn to work as a member of an interdisciplinary analytics team
- Develop data collection, analysis, and presentation skills
- 7-week capstone project in the final semester
- Build an in-demand skills set in ArcGIS, Microsoft Office and Excel, PowerBI, Python programming, R, statistics, and SQL database

### Program of study for 2024-25 Academic Year

Semester 1		Credits
ANA 1000	Foundations of Data Analytics	3
ANA 1001	Programming for Analytics	4
CRI 1001	Intro to Crime and Intel Analy	3
DBA 1000	Structured Data Management	4
EXL 1002	Dashboards and Data Analysis	3
QMM 1001	Statistics for Data Analytics	4
<b>Credits</b>		<b>21</b>
Semester 2		Credits
BTA 1013	Communicating with Data	3
CRI 1003	Intel Theories and Application	3
CRI 1005	Appr. to the Study of Terrorism	3
CRI 1007	Professional Values and Ethics	3
CRI 1100	Anatomy of Major Case Investigation	2
FIN 1025	Financial Crime Risk Assessment	2
GIS 1025	GIS Mapping	2
QMM 1002	Stats and Data Visualization	4
<b>Credits</b>		<b>22</b>
Semester 3		Credits
ANA 1010	Analytics Capstone	6
<b>Credits</b>		<b>6</b>
<b>Total Credits</b>		<b>49</b>

### Admission requirements

Applicants must be graduates of a diploma, advanced diploma, or degree program from an Ontario College or equivalent.

OR

Applicant must possess five years of work experience in a related field (or combination of education and work experience) as judged by the College to be equivalent. Applicants must submit a resume detailing their related experience and a cover letter outlining their competencies and preparedness for the program (any and all post-secondary transcripts must still be submitted).

Applicants whose first language is not English, must provide proof of English language proficiency. Cambrian College accepts the TOEFL, or IELTS, or equivalent test to satisfy our English admission requirements.

### Additional admission requirements

#### Recommendations

- Proficiency in Microsoft Excel
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)
  - Students who do not possess the foundational math will need to take the bridging course/s prior to registration. Please contact the program coordinator to discuss upgrading options.

### Program delivery

2024-2025

Fall term start

SEMESTER 1: Fall 2024

SEMESTER 2: Winter 2025

SEMESTER 3: Spring 2025

### Specific program pathways

#### College or university degree opportunities

If you are a graduate of this program, you may continue your studies at a college or university and you may receive credit(s) for your prior college education. Refer to Cambrian's college and university agreement (<https://cambrian.s123.ca/supports-services/articulation-agreements/>) details for further information.

### Employment opportunities

Crime analysts work for a variety of law enforcement, intelligence, research, government, and a variety of other organizations. Crime analysts also work with the financial sector in areas such as private investigation, insurance investigation and fraud investigation. Common tasks involve analyzing intelligence, predictive modeling, mining data from primary and secondary sources, analyzing and interpreting results, pinpointing and predicting trends, providing concise reports, and designing, creating and maintaining databases.

Graduates are prepared for employment opportunities as:

- Crime Analyst
- Data Analyst
- Fraud Analyst
- Compliance Analyst
- Intelligence Analyst
- Security Analyst
- Forensic Data Analyst
- Financial Analyst

### Contacts

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2 Crime Analytics (CAGC)

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**INTERNATIONAL ADMISSIONS**

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