

Business Information Technology Management (Analytics Data Management Option)

Diploma Full-time [School of Business + Media](#)

Overview

The Business Information Technology Management - Analytics Data Management Option emphasizes advanced data management strategies such as data governance, quality, and integration. Graduates are equipped for careers in data analytics, business intelligence, and data management, enabling them to transform raw data into actionable insights.

Delivery: in person. [See details.](#)

Analytics Data Management (ADM) offers a dynamic fusion of data analytics and professional data management practices while exploring fundamental business principles and effective management techniques. The comprehensive curriculum delves into the intricacies of harnessing the power of data to drive informed decision-making and gain a competitive edge in today's data-driven world. The program focuses on advanced data management strategies, including data governance, data quality, and data integration, ensuring the reliability and accuracy of data for impactful business outcomes. Graduates of the ADM option will be well-equipped to pursue diverse career paths in data analytics, business intelligence, and data management roles, empowering organizations to transform raw data into actionable insights and drive strategic growth.

Students learn to:

- Leverage data governance frameworks to ensure data is used effectively for analytics and meets privacy, security, and ethical standards
- Recognize and enhance the quality of data in various business scenarios to enable decision-support systems
- Utilize advanced tools to support cleaning, storing, transforming and integrating data from diverse sources to support business analytics
- Plan for and utilize data analytics for strategic business purposes
- Plan for and support the evolution of the mature data organization

Jobs and Careers:

- Business Intelligence Analyst
- Data Governance Analyst
- Data Quality Analyst
- Data Steward
- Data Architect

Entrance Requirements

If you are interested in applying to the first-year Business Information Technology Management program, please refer to the common first-year [Entrance Requirements \[1\]](#) webpage.

You may be eligible to apply to an advanced level of the program through either re-admission or direct entry. For more information, please refer to the [Advanced Placement \[2\]](#) webpage.

Costs & Supplies

Bring Your Own Device

Students are required to have their own laptop. Please refer to the [Bring Your Own Device Specifications \[PDF\]](#) [3] for requirements. **Business Information Technology Management students will need Windows 10 running natively on their computer.**

Laptop costs vary depending on the configuration chosen, but will likely range from approximately \$1,000 to \$2,000.

Books & supplies

| | |
|----------|-------|
| Level 3: | \$400 |
| Level 4: | \$400 |

Courses

This list of courses is for the **Analytics Data Management Option** (second year) of the Business Information Technology Management program. [View first-year courses \[4\]](#).

Students in the BITMAN program take a common first year of business and technology classes. Midway through the second term of the first year, students apply for their choice for the next year of the program. Entry to each option is competitive by cumulative first-year GPA. Where space issues arise, students may get their alternate choice.

Program matrix

| Completion of Level 1 and 2 in first year (53.0 credits) | | |
|--|---|---------|
| | | |
| Level 3: | | Credits |
| BABI 3000 | Data Quality Approaches for Business | 3.0 |
| BABI 3005 | Data Governance for Business Analytics | 3.0 |
| BSYS 3000 | Cloud Business Development 1 | 3.0 |
| BSYS 3205 | Business Intelligence 1 | 4.0 |
| BSYS 3355 | Management Information Systems | 3.0 |
| BUSA 4850 | Consulting Skills and Problem Solving | 3.0 |
| FMGT 3221 | Management Accounting Administration | 4.0 |
| OPMT 3301 | Quantitative Methods for Business | 4.0 |
| | | |
| Level 4: | | Credits |
| BABI 4000 | Applied Data Management for Analytics | 5.5 |
| BABI 4005 | DQM with Python* | 2.0 |

| | | |
|-----------------------------|-------------------------------------|--------------|
| BLAW 3600 | Computers and the Law | 4.0 |
| BSYS 4000 | Cloud Business Development 2 | 4.0 |
| BSYS 4905 | Directed Studies* | 8.0 |
| BUSA 4800 | Management Policy | 4.0 |
| FMGT 4530 | Enterprise Finance | 5.5 |
| OPMT 4170 | Applied Project Management* | 2.5 |
| *denotes a half-term course | | |
| | | |
| Total Credits: | | 115.5 |

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 \[21\]](#) to find out.

Program Details

The BCIT Business Information Technology Management diploma program places you in a small cohort of 20-27 students. You will attend lectures and labs for each course. In lecture, the faculty provides the content necessary to establish a foundation. Practical application follows in the lab environment. You will work directly with industry on several projects and assignments.

Graduates of this program may also apply to the BCIT Bachelor of Technology in Forensic Investigation ([Digital Forensics and Cybersecurity \[22\]](#)) full time program.

Industry Partners

Thanks to a generous donation from Vision33, students have access to the SAP HANA data platform to analyze and interpret large amounts of raw data. The financial support from industry leaders helps to ensure that Business Information Technology Management graduates have the skills to use the newest software programs that are commonly used in the workplace.

Program length

Two years, full-time.

Additional program options

- [Artificial Intelligence Management Option \[23\]](#)
- [Enterprise Systems Management Option \[24\]](#)

Program delivery

In person: This program is delivered on campus.

Program location

Burnaby Campus [25]

3700 Willingdon Avenue
Burnaby, BC

Continue your education

Graduates of this program may continue their studies to complete the BCIT Bachelor of Business Administration (BBA) [26] program. The BBA program provides you with the flexibility to complete your degree full-time within 8 to 12 months (depending on previous transfer credits from other institutes), or you can choose to begin your career and finish your degree courses part-time, usually within two to three years.

Block credits from your diploma may also be transferred to business degrees at Simon Fraser University, the University of Northern British Columbia, Royal Roads University, Lakehead University and others. Please confirm details with the respective program that you are considering if this option is of interest.

Graduating & Jobs

Your courses combine introductory skills in information systems, economics, marketing and more with practical skills like leadership and organization needed to become a Business/IT professional, make strategic decisions, and create business plans. Throughout the program, you'll develop the knowledge and experience necessary to begin or advance a successful career.

Some job opportunities for graduates include:

- Business Intelligence Analyst
- Data Governance Analyst
- Data Quality Analyst
- Data Steward
- Data Architect

Graduates of the BITMAN diploma program are eligible to enter the following professional designation programs:

- Certified Associate in Project Management CAPM [27]
- Certified in Management CIM [28]

Upon graduation, students may also choose to continue their studies full-time, or to begin working in their chosen field while pursuing a bachelor's degree part-time. You'll have the option of continuing your study to earn BCIT's Bachelor of Business Administration Degree (BBA), or transfer credits to other degree programs like Royal Roads University's Bachelor of Commerce in Entrepreneurial Management Degree, Thompson Rivers University's Bachelor of Business Administration, or Lakehead University's Bachelor of Administration Degree.

BCIT Business Information Technology Management Diploma Student Story – Igor [29]

Faculty, Advisors & Staff

You'll learn from industry-experienced instructors who take learning beyond the textbook. Most are still active in industry and associations, ensuring they keep up with the latest trends in business and technology.

Business Consulting Project

A BCIT Business Consulting Project provides second year Business Information Technology Management students the opportunity to work over a 10 week period with an organization to solve an IT problem or challenge. Students work in a team of two or three to identify potential opportunities, conduct research, and recommend effective IT solutions. Students complete a comprehensive written report and present an oral presentation to the sponsoring organization outlining the student team's recommendations to improve information technology effectiveness.

Business Consulting Projects are different from traditional co-op and internship programs. Students are not assigned to actual positions, but rather fill a consulting role for businesses and organizations. Each project has a BCIT faculty member that serves as an advisor for the student consulting team. Exit surveys from participating companies show that the completed strategic business solutions have a value that far surpassed their expectations.

View [program specific Business Consulting Projects \[30\]](#) or view the complete list of past [Business Consulting Projects \[31\]](#) students have completed in a wide variety of industries.

Contact Us

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Contact a [Program Advisor](#) with the BCIT program name in the subject line if you have a question about:

- Program selection and program planning
- Applying for transfer credit and advanced placement
- Job placement and graduate outcomes
- Student life

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/programs/business-information-technology-management-diploma-full-time-6235dipma/#entry>

[2] <https://www.bcit.ca/programs/business-information-technology-management-diploma-full-time-6235dipma/#ap>

[3] <https://www.bcit.ca/files/business/pdf/bcit-sobm-byod.pdf>

[4] <https://www.bcit.ca/programs/business-information-technology-management-diploma-full-time-6235dipma/#matrix>

[5] <https://www.bcit.ca/outlines/babi3000/>

[6] <https://www.bcit.ca/outlines/babi3005/>

[7] <https://www.bcit.ca/outlines/bsys3000/>

[8] <https://www.bcit.ca/outlines/bsys3205/>

[9] <https://www.bcit.ca/outlines/bsys3355/>

[10] <https://www.bcit.ca/outlines/busa4850/>

[11] <https://www.bcit.ca/outlines/fmgt3221/>

[12] <https://www.bcit.ca/outlines/opmt3301/>

[13] <https://www.bcit.ca/outlines/babi4000/>

[14] <https://www.bcit.ca/outlines/babi4005/>

[15] <https://www.bcit.ca/outlines/blaw3600/>

- [16] <https://www.bcit.ca/outlines/bsys4000/>
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- [21] <https://www.bcit.ca/admission/entrance-requirements/transfer-credit/>
- [22] <https://www.bcit.ca/programs/forensic-investigation-digital-forensics-and-cybersecurity-option-bachelor-of-technology-full-time-part-time-847cbtech/>
- [23] <https://www.bcit.ca/programs/business-information-technology-management-artificial-intelligence-management-option-diploma-full-time-623adipma/>
- [24] <https://www.bcit.ca/programs/business-information-technology-management-enterprise-systems-management-option-diploma-full-time-623bdipma/>
- [25] <https://www.bcit.ca/about/visit/campuses-directions/burnaby/>
- [26] <https://www.bcit.ca/programs/bachelor-of-business-administration-bachelor-of-business-administration-full-time-part-time-9975bba/>
- [27] <https://www.pmi.org/certifications/certified-associate-capm>
- [28] <https://cim.ca/designations/cim-certified-in-management>
- [29] <https://www.youtube.com/watch?v=GJ11YOFClck&feature=youtu.be>
- [30] <https://www.bcit.ca/business-media/industry-services/business-consulting-projects/information-technology/>
- [31] <https://www.bcit.ca/business-media/industry-services/business-consulting-projects/>
- [32] <https://www.bcit.ca/international-students/>
- [33] <https://www.bcit.ca/financial-aid/>
- [34] <https://secure.bcit.ca/sis/apply/>