

CERTIFICATE IN BUSINESS TECHNOLOGY MANAGEMENT

What is BTM?



BTM is a professional discipline that equips graduates with the ability to lead and support the strategic use of Information and Communication Technology (ICT) and the digital transformation of organizations. Its standards seek to ensure that professionals develop greater managerial ability, while continuing to develop technology awareness and skills. BTM certification sets the standard for professional excellence.

For more information, see btm-forum.org.

What is BTM Certification?



The Certificate in Business Technology Management (BTM) provides a pathway for Honours Commerce students to become a Certified BTM Professional by completing certificate requirements through course electives. BTM certification is administered by BTM Forum, a national organization designed to support a unified Canadian BTM profession. **Upon completion of the required BTM coursework, students must be assessed to receive a BTM designation through the BTM Forum.**

The Benefits of BTM Certification

Promotes professional growth
by establishing a professional standard within a peer cohort to drive innovation.

Promotes specialized skill sets
to enable individual practitioners to differentiate themselves.

Formalizes BTM skill sets
For organizations seeking to recruit, contract or outsource BTM services.

Expands career opportunities
By providing a mechanism for individual career development.



Elements covered in the BTM Certificate

Business	Marketing, Finance, Operations Management, HR Management
Technology	Information Technology, Systems Architecture, Network Design and Management
Technology in Business	Business Change Management, Business Process Analysis, Managing the IT and Business Interface; IT Governance
Project Skills	Risk Management, Project Management, Quality Assurance, Business Analysis
Personal and Interpersonal Skills	Presentation Skills, Communication Skills, Leadership, Negotiation

HOW DO I PURSUE A BTM CERTIFICATE AT MCMASTER?

Admission Requirements

Students who qualify for and are enrolled in the Honours Commerce program are eligible to complete the coursework required for the BTM certificate at McMaster University.

BTM Certification Pathway*

YEAR 2 UNITS

ELECTIVES	24	Honours Commerce Level II Required Courses
	6	SFWR TECH 3IT3 <i>Networking Principles</i> SFWR TECH 3PR3 <i>Procedural and Object Oriented Programming Concepts</i>

YEAR 3 UNITS

ELECTIVE SPACE	9	Honours Commerce Level III Required Courses
	9	COMMERCE 3KD3 <i>Database Design Management & Applications</i> COMMERCE 3KE3 <i>Management of Enterprise Data Analytics</i> 1 BTM Elective
	12	Remaining Commerce & Non-Commerce Electives

YEAR 4 UNITS

ELECTIVE SPACE	6	Honours Commerce Level IV Required Courses
	12	COMMERCE 4KH3 <i>Management Issues in Electronic Business</i> COMMERCE 4KF3 <i>Project Management</i> COMMERCE 4KG3 <i>Data Mining and Business Intelligence</i> 1 BTM Elective
	12	Remaining Commerce & Non-Commerce Electives

The certificate requires completion of 27 units in total consisting of 7 required courses that are **highlighted**, and 2 electives.

Students can begin completion of the BTM courses in Level II within their elective space. For a complete list of Honours Commerce requirements, please see the [Undergraduate Calendar](#).

Students interested in pursuing a BTM Certificate must fill out a form that can be found in the Student Experience Office, DSB 112.

BTM ELECTIVES

Students are also required to take any two of the following courses:

Commerce Electives:

- COMMERCE 3KA3** – Systems Analysis & Design
- COMMERCE 4KI3** – Implementation of IS for Small & Medium Sized Enterprises
- COMMERCE 4BK3** – Management of Technology
- COMMERCE 4MH3** – Electronic Marketing

Non-Commerce Electives:

- SFWR TECH 3CS3** – Computer Security
- SFWR TECH 3OS3** – Operating Systems
- SFWR TECH 3RQ3** – Software Requirements and Specification
- SFWR TECH 4NI3** – Advanced Networking Infrastructure
- SFWR TECH 4SD3** – Software Design
- SFWR TECH 4WP3** – Advanced Web Programming

***Note:** There is no specific order in which Commerce students must take the BTM list of courses. The BTM Certification Pathway is presented as a recommendation. Be sure to plan accordingly as certain courses have prerequisites.