

Challenge what's possible

Organizations create and use an unprecedented amount of digital data, which has fundamentally changed the ways in which we work, communicate and provide services. Advances in information technology have created increased demand from employers for graduates with expanded technology skills to manage digital data and convert it into useful information.

Jointly offered by Carleton University and Algonquin College, the Information Resource Management (IRM) program meets the needs of our changing information economy.

Why IRM?



ONE OF THE FEW PROGRAMS IN CANADA that combines a Bachelor's Degree in Information Technology and a Library and Information Technician diploma



PRACTICAL JOB-RELATED EXPERIENCE gained through practicum and senior-year projects



For more information

Admissions Information
Undergraduate Recruitment Office
Carleton University
315 Robertson Hall
1125 Colonel By Drive
Ottawa ON K1S 5B6 Canada
1-613-520-5606
1-888-354-4414 (toll-free)
liaison@carleton.ca
carleton.ca/admissions

Algonquin College
1385 Woodroffe Avenue
Ottawa ON K2G 1V8 Canada
1-613-727-0002



Ottawa, Canada



Information Resource

Management (IRM)





Information Resource Management (IRM)



Co-op available

The Information Resource Management (IRM) program is a unique four-year program that enables students to graduate with both a Bachelor of Information Technology (BIT) degree and a Library and Information Technician diploma (LIT). The blended University and College program combines a strong theoretical education with practical experience.

The flexible structure of the program allows students to incorporate a minor of their choice to develop a subject area specialty. A bridge program has been designed for students who already have an LIT diploma to reduce the time to obtain the BIT degree.

Enrich your studies through Co-op

A flexible Co-op option is available to IRM students. This option enables students to gain up to five terms of work experience related to the field of information technology and information resource management.

Normally, students complete their first Co-op term in the summer after their second year of studies, with the second, third and (optional) fourth Co-op terms in the winter, summer and fall after the fall term of their third year. Co-op employment can be in government agencies, libraries or the private sector, to name a few.

Your future

Graduates from the IRM program will have both a degree and a diploma, opening the door to a broad range of career opportunities to manage digital resources and services.

Graduates of the program will have a marketable skill set and a number of competitive advantages in the employment market including practical job-related experience gained through practicum and senior year projects. These projects are supervised by professionals working in fields related to information technology,

including some from Carleton's MacOdrum Library.

Exceptional laboratory facilities and resources

An up-to-date computer lab specifically maintained for the program provides

access to the latest technology in the field. The newly renovated and award-winning MacOdrum Library provides many state-of-the-art facilities including the Future Learning Lab. As a student, you will also have access to the Virtual Machine Data Centre.

Courses

To graduate from this program, you will need 20.0 credits, generally completed over four years. The required courses include:

1st Year	2nd Year	3rd Year	4th Year
Fall: Collections Management, Web Interface Development, Cataloguing, Introduction to Information Resource Management, IRM Minor Winter: Intro to Programming & Problem Solving, Reference & Information Services, Reader's Advisory Services, Subject Analysis and Indexing, IRM Minor	Fall: Multimedia Data Management, Intermediate Programming, French Language Course, Classification, Advanced Cataloguing Winter: Introduction to Business, Statistics for Technology, French Language Course, Legal & Business Information, Information Management & Digital Preservation, Data Visualization	Fall: Communication Skills for IRM, Legal Issues in Information Resource Management, Data Analysis & Research Methodology, Metadata for IRM, IRM Minor Winter: Scientific & Medical Information, Project Management, Practicum for IRM	Fall: Marketing in the IT Sector, Library Software, Network Technology, IRM Capstone Project, IRM Minor, Introduction to Deep Learning Winter: Archives & Special Collections, Applied Machine Learning and Big Data Analytics, IRM Capstone Project

Agile Programs

Both institutions regularly consult with representatives from related industries in order to track changing trends in IT, digital resource management and library resources.

Benefit from the capital advantage

There are few better places in which to live and study than Ottawa, Canada's capital. With more than 1,800 technology companies, the city is one of Canada's major high-tech hubs. It is also home to a wide range of governmental departments, non-profit organizations, and educational and research institutions.

Your career

Career paths could include:

- information management
- research data management
- library services (academic and public libraries)
- web services and database development
- data analysis
- web development
- E-commerce

Students graduating from the program are expected to be employed at tech companies (such as IBM, Microsoft, Google, etc.), insurance companies, E-commerce companies, banks and financial institutions, etc.

Admission Requirements

To be eligible for admission to the first year of the IRM program, Ontario students must have an Ontario Secondary School Diploma (OSSD) with a minimum of six 4U/M courses. Your six courses must include one 4U Math credit and one 4U English credit.

For all applicants outside of Ontario, please visit admissions.carleton.ca/requirements.

Please note that the program is not structured to accommodate part-time studies.

Have questions?
Email infoIRM@bitdegree.ca
or visit bitdegree.ca/IRM.

