

GRADUATE PROGRAMS IN

# Information Technology



Carleton's master's and PhD degrees in Information Technology provide students with the skills they will need to succeed in what has become an ever-evolving industry.

The master's degree consists of two programs: Network Technology (NET) and Digital Media (DM). Those pursuing the NET program will cover the design, management and operation of computer networks. The NET program offers a research-based option, where students will produce a research thesis, or a project-based option, where students will develop skills mainly through courses and a project framework. DM students will focus on areas dealing with the development of content and technology for areas such as entertainment, education and communication. The DM program is research-based and students will produce a thesis as a requirement of the program. DM students can also pursue a specialization in Data Science.

The PhD program focuses on advanced interdisciplinary research in Information Technology and related applications and topics.

## Degrees Offered

MIT (Digital Media, Network Technology), PhD

## Research & Career Options

Research opportunities in the school have direct application to the industry and can lead to many fascinating careers in areas such as:

**DIGITAL MEDIA:** Media production (movies and commercials), new educational technologies, the gaming industry, natural human-computer interaction methods, digital media for healthcare, and exhibitions for national museums and government or organizations requiring digital media content and technologies.

**NETWORK TECHNOLOGY:** Network security and privacy, cellular mobile networks, cloud computing, the Internet of Things and Apple iPhone networking subsystems.

## Fall Application Deadline

**March 1**, to be eligible for funding

## Admission Requirements

### **NETWORKING (MASTER'S):**

An undergraduate degree in network technology, electrical engineering, computer science, engineering, or a closely-related discipline.

### **DIGITAL MEDIA (MASTER'S):**

An undergraduate degree in one of the related three primary disciplines of Technology (e.g. computer science/engineering and information technology), Content (e.g. design, arts and humanities), and People (e.g. psychology, communication and business). Intermediate undergraduate-level computer programming skills are required as proper technical background. Applicants who have gained these skills through relevant professional experience will also be considered but may be required to take additional courses (stipulated on a case-by-case basis).

**PhD:** A master's degree in one of the three related disciplines (Technology, Content, and People). Applicants not holding a master's degree in a related discipline will also be considered, but all applicants will be required to demonstrate that they have some general technology (digital media) background, as well as the ability to work in multi-disciplinary groups.

**ALL PROGRAMS:** An average of B or higher is expected for admission to the master's and PhD programs.

[www.csit.carleton.ca](http://www.csit.carleton.ca)

### Contact Info

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