

MPS in Informatics

Quarter to Semester Program Comparison

| Degree Requirements | Current Quarter Hours | Semester Hours - Fall 2026 |
|-------------------------|-----------------------|----------------------------|
| Core Courses + Capstone | 21 | 18 |
| Required Electives | 3-6 | 2 - 4 |
| Electives | 6 | |
| Concentrations | 15-16 | 12 - 14 |
| Total Degree Hours | 45 - 46 | 34 |

Quarter Format

Campus:
Toronto

Semester Format

Core Courses: 15 Quarter Hours (QH)

Complete all the required courses:

- ITC 6000 Database Management Systems (3)
- ITC 6010 Information Tech. Strategy and Governance (3)
- ITC 6020 Information Systems Design and Dev. (3)
- ITC 6035 Information Technology Project Management (3)
- ITC 6400 Foundations of Informatics (3)
- ITC 6040 Informatics Capstone (3)
- INT 6940 Experiential Learning Projects for Prof. (1-4)



Core Courses: 18 Semester Hours (SH)

Complete all the required courses:

- ITC 6105 Foundations of Informatics (3)
- ITC 6150 Database Application and Management (3)
- ITC 6205 IT Strategy and Governance (3)
- ITC 6250 Interactive System Design and Web Dev. (3)
- PJM 6440 Leading and Managing Technical Projects (2)
- ITC 6980 Informatics Capstone (4)

Elective Courses: 14-16 Quarter Hours (QH)

Elective / Concentration Option:

The remaining quarter hours may be completed by a combination of completing a concentration and electives or selecting any courses listed in the concentrations and elective lists.

Common electives within the ITC program:

- ALY 6015; ALY 6030; ALY 6050; ALY 6060; ALY 6110
- ALY 6120; ALY 6130;
- DGM 6501; DGM 6145; DGM 6521
- EDU 6184;
- GIS 5103; GIS 6340; GIS 6360
- ITC 6030; ITC 6080; ITC 6082; ITC 6345; ITC 6045
- PJM 5900; PJM 6205
- TCC 6110



Elective Courses: 2-4 Semester Hours (SH)

Complete 2-4 semester hours from the following:

- ITC 6405 Systems and Network Administration
- ITC 6415 IT Policy, Ethics, and Social Responsibility
- ITC 6435 Ethical Hacking
- ITC 6480 Amazon Web Service (AWS) Cloud Architecting
- ITC 6680 CISSP Preparation
- ITC 6983 Special Topics in Informatics

Elective Option:

Any College of Professional Studies graduate-level courses or unused courses in the program or a combination of both in lieu of a concentration.

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Concentrations: 15-16 Quarter Hours (QH)

Analytics

ALY 6000 Introduction to Analytics (3)
ALY 6010 Probability Theory and Intro Statistics (3)
ALY 6015 Intermediate Analytics (3)
ALY 6070 Communication and Visualization of Data Analytics (3)

Complete 3 quarter hours from the following:

ALY 6020 Predictive Analytics
ALY 6030 Data Warehousing and SQL (3)
ALY 6040 Data Mining Applications (3)
ALY 6110 Data Management and Big Data

Cloud Computing Application and Management

ITC 6015 Enterprise Information Architecture (3)
ITC 6420 Intro. to Cloud Computing App. and Mgt. (3)
ITC 6450 Advanced Cloud Computing App. and Mgt. (3)
ITC 6460 Cloud Analytics (3)
ITC 6520 Network Protection and Cloud Security (3)
Complete 3-4 quarter hours from the following:
ITC 6355 Web Application Design and Development (3)
ITC 6470 Enterprise Data Storage and Mgt. Tech. (3)
ITC 6480 Amazon Web Service (AWS) Cloud Arch. (4)

Concentrations continue on next page

Concentrations: 12 Semester Hours (SH)

Analytics

ALY 6105 Introduction to Applied Statistics (3)
ALY 6115 Foundations of Data Analytics (3)
ALY 6145 Communication and Visualization with Data (3)
Complete 3 semester hours from the following:
ALY 6125 Intermediate Analytics (3)
ALY 6610 Data Mining Applications (3)
ALY 6620 Big Data and Cloud Computing (3)

Cloud Computing Application and Management

ITC 6630 Cloud Security Planning and Design (3)
ITC 6650 Cloud Computing Fundamentals, Applications, and Management (3)
ITC 6660 Enterprise Information Architecture (3)
ITC 6670 Cloud Data Architecture, Eng., and Analytics (3)



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Concentrations: 15-16 Quarter Hours (QH)

Information Security Management

ITC 6300 Foundations of Information Security (3)
ITC 6305 IT Infrastructure (Systems, Networks, Telecom) (3)
ITC 6315 Information Security Risk Management (3)
ITC 6520 Network Protection and Cloud Security (3)
ITC 6530 Security Analytics (3)

Complete 3 quarter hours from one of the following:

ITC 6330 CISSP Preparation (3)
ITC 6490 Ethical Hacking (3)

Leading and Managing Technical Projects

PJM 5900 Foundations of Project Management (4)
PJM 6205 Leading and Managing Technical Projects (3)
PJM 6210 Communication Skills for Project Managers (3)
PJM 6215 Leading Remote Project Teams (3)
PJM 6810 Principles of Agile Project Management (3)

*PJM 5900 is for students with fewer than three years of experience directing or leading project tasks. Students who do not complete Foundations of Project Management (PJM 5900) may substitute an elective from the following list to satisfy the required program hours:

PJM 6125 Project Evaluation and Assessment
PJM 6135 Project Quality Management
PJM 6140 Managing Troubled Projects
PJM 6710 Introduction to Program and Portfolio Management

Concentrations: 12 Semester Hours (SH)

Information Security Management

ITC 6610 Foundations of Information Security (3)
ITC 6620 Information Security Risk Management (3)
ITC 6630 Cloud Security Planning and Design (3)
ITC 6640 Security Operations and Analytics (3)

Project Management

PJM 6100 Foundations of Project Management (3)*
PJM 6120 Project Scope, Schedule, and Cost Mgt. (3)
PJM 6200 Project Risk Management (3)
PJM 6300 Project Quality Management (3)

*Foundations of Project Management (PJM 6100) is for students with fewer than three years of experience directing or leading project tasks. Students who do not complete Foundations of Project Management (PJM 6100) may substitute project management electives to satisfy the required program hours.

Elective Option / Custom Concentration

A concentration is not required. Students may complete the electives option in lieu of a concentration.

