Information Technology (ITEC)

Learn how information technologies can be integrated and customized to meet the information needs of users and facilitate creativity and productivity in a variety of sectors. Discover the world of Information Technology (IT) and become an IT professional able to analyze, design, implement, customize and manage technologies in order to better serve users.

Sample First Year Schedule

Your first year classes in Information Technology will consist of a mixture of courses within your major, general education courses and elective courses outside your major.

Course Type	Course(s)	Credits
Major Course	AP/ITEC 1000 - Introduction to Information Technologies	3.00
Major Course	AP/ITEC 1620 - Object-Based Programming	3.00
Major Course	AP/ITEC 1010 - Information and Organizations	3.00
Major Course	SC/MATH 1190 - Introduction to Sets and Logic	3.00
General Education Course	Any approved 1000 level course from the Humanities or Social Sciences (Modes of Reasoning are recommended)	6.00 or 9.00
General Education Course	Any approved course from the Natural Sciences	6.00
Elective Course	Any course for which you meet the prerequisite requirements	3.00
	Total	30.00 (maximum)

Program Options

With Information Technology, you have the option of taking another program within the Faculty of Liberal Arts & Professional Studies as a Double Major or pursuing another program as a Minor. ITEC can also be taken as a minor.

Double Major Options Include:

Communication Studies
Criminology
Disaster and Emergency Management

Economics
Philosophy
Political Science
+ many more!

Minor Options Include:

Disaster and Emergency Management
Economics
Human Resource Management

Philosophy
Political Science
Urban Studies
+ many more!

The York Promise

York is here to support you throughout your unique university journey. Beyond academic achievement, we strive to enrich your student experience through personal and professional development by offering:

- **Career-Focused Services**
  Career advising, career fairs and networking opportunities to help sharpen your professional edge.

- **Academic Support**
  Learning skills workshops, outstanding libraries, academic accommodations, transition programs and academic advising services designed to help you every step of the way.

- **Social & Leadership Development Programs**
  A vibrant social scene with more than 300 clubs and organizations to enhance student life, and help you develop soft skills you can bring to the table in your future career.

Gaurav Sharma
Fourth Year Student
Information Technology

"What I like best about the Information Technology program is the combination of computer science and business administration. Many industries currently seek graduates from IT programs with a strong understanding of both business and technology. The IT program at York does a great job of providing key knowledge in both areas."

yorku.ca/liberal-arts | goyork@yorku.ca

Your Degree Pathway

A degree in Information Technology requires the completion of 90 Credits for a Bachelor's Degree (three years) or 120 Credits for an Honours Degree (four years). Your courses will consist of Major, General Education, Elective, Math and Writing Courses.

First Year

First year will introduce you to the university environment, provide you with general education courses, and allow options for you to study courses aligned with your own interests.

>>> Information Technology Courses: Introduction to Information Technology, Object-Based Programming, Information and Organizations
General Education Courses: Humanities, Social Sciences or Natural Sciences (for non-science students)
Math Courses: Introduction to Sets and Logic
Elective Courses: Your choice of courses outside of Information Technology

Second Year

In your second year, you will focus on the critical topics in the Information Technology program.

>>> Information Technology Courses: Introduction to Analytical Programming, Object-Oriented Programming, Introduction to Data Structures, Systems Administration
General Education Courses: Humanities, Social Sciences or Natural Sciences (for non-science students)
Courses Outside Information Technology: Choose new subjects to explore or continue to develop skills from previous selections
Elective Courses: These courses can include additional Information Technology courses or further courses of interest

Third Year

Your third year in Information Technology will intensify the focus on your major while maintaining options for you to explore interest and skill building courses.

>>> Information Technology Courses: Systems Analysis and Design, Web Technologies, Systems Architecture, Applied Data Communications and Networks, Using and Designing Database Systems, Designing User Interfaces
Math Courses: Introduction to Applied Statistics
Writing Courses: Effective Writing for the Workplace
Elective Courses: These courses can include additional Information Technology courses or further courses of interest

Fourth Year

In your fourth and final year, you will join the Technology Internship Program in which you will work for one or more technology companies for periods of three or more months. Once complete you will return to class and take advanced Information Technology courses which include options to select your interests and specialize your education.

>>> Information Technology Courses: Choose from a wide variety of 4000 level courses including Advanced System Analysis and Design, Business Process Management Systems, Data Warehousing and Business Intelligence and Requirements Management.
Courses Outside Information Technology: Choose new subjects to explore or continue to develop skills from previous selections

Your Degree!