

First Year Science

BSc | www.yorku.ca/markham/programs

Admission Requirements

- ENG4U, MHF4U, and SBI4U or SCH4U or SPH4U
- **Expected admission average:** low 80s

Program Overview

Begin your journey at Markham, York's new campus, where a distinctive learning experience sets the stage for success throughout your academic journey. Regardless of your preferred science discipline, you will benefit from inventive course design, state-of-the-art learning environments, adaptable learning options, and intimate class settings that foster collaboration and interaction with professors.

In your first year, you will receive personalized advising sessions with dedicated academic teams to help you develop your future goals and transition smoothly to the Keele Campus in your second year. By completing this program, you will fulfill all first-year requirements for various programs available at the Keele Campus, including Life Sciences (Biology, Biomedical Science, Biotechnology) and Chemical Sciences (Biochemistry, Chemistry).

Starting in your second year at Keele, you will complete your specific degree requirements and enhance your career prospects through a range of experiential education opportunities, such as co-ops and internships

Get In Touch

We are happy to help!

fysc@yorku.ca



Fast Facts about Markham Campus Facilities



Modern and accessible common areas offer plenty of space to meet, study and collaborate with large and small groups



Ten floors of teaching and learning spaces around a dynamic, multi-story atrium - the Bratty Family Atrium



A multi-faith space, Indigenous learning circle, and enhanced accessibility creates a welcoming environment



Classrooms equipped with cutting-edge technology offer unique learning spaces that promote active, engaged learning



Media creation spaces, makerspaces, and a VR and Gaming Lab within the Markham Campus Library are designed to provide supports for experiential learning and foster creative entrepreneurship

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PATHWAYS TO BACHELOR OF SCIENCE (BSc) PROGRAMS

Year 1: Foundational Science Courses at Markham

BIOLOGY

- Cells, Molecular Biology and Genetics
- Evolution, Ecology, Biodiversity & Conservation

CHEMISTRY

- Chemical Structures
- Chemical Dynamics

MATHEMATICS

- Applied Calculus I & II **OR**
- Mathematics for Biological and Health Sciences I & II

PHYSICS

- Physics with Life Science Applications I & II

Academic Advising

At the start of Year 1, each student can create a personalized learning schedule through a one-on-one academic advising session, ensuring they meet the transition requirements for their desired program. Midway through Year 1, students will have the opportunity to consider program changes before entering Year 2.

From Year 2: Program-Required Courses Keele

LIFE SCIENCE

Biology
Biomedical Science
Biotechnology

- ENG4U, MHF4U, SBI4U, SCH4U
- Recommended: SPH4U

CHEMICAL SCIENCE

Biochemistry

- ENG4U, MHF4U, SBI4U, SCH4U, MCV4U
- Recommended: SPH4U

Chemistry

- ENG4U, MHF4U, SCH4U, one additional 4U or M science
- Recommended: SPH4U, MCV4U

If you desire other programs in Mathematics & Statistics or Physics & Astronomy, ask Academic Advising!

The Faculty of Science provides a rich diversity of opportunities for undergraduate students to engage in Experiential Education. Visit yorku.ca/science/students/experiential-education/ for information.