



2023-24

Faculty of Science
York University

science



WELCOME TO THE FACULTY OF SCIENCE

ATTEND AN UPCOMING EVENT

Explore York Science by attending our upcoming events. You can sit in on a lecture, connect one-on-one with current students, meet professors, attend Information Sessions, and join our Open Houses. There are plenty of ways for you to learn more about the Faculty of Science and York University.

For a list of dates and to register, visit:
yorku.ca/science/science-events

EXPLORE SCIENCE PROGRAM

Experience life as a York Science student! The Explore Science program gives you the opportunity to attend lectures with York instructors and engage one-on-one with current students. Attend Explore Science virtually or in-person.

To learn more and register, visit:
yorku.ca/science/explore-science

REGISTER FOR REWARDS

Register for the York Science Rewards Program. You can earn points for every Faculty of Science event and activity you participate in. Trade your points in for Faculty of Science branded swag like water bottles, backpacks, pencil cases, and much more when you join the faculty.

To learn more and to register, visit:
yorku.ca/science/science-rewards-program

BOOK YOUR SCIENCE TOUR

Meet with current students and the recruitment team for a tour of our facilities and hear more about what York Science has to offer! During your tour, you will have the chance to ask any questions and get an inside look at student life.

To learn more and book your tour, visit:
yorku.ca/science/tour-the-faculty-of-science

“As a York Science student there are always opportunities available to you. The Mathematics and Statistics department has industry professionals coming in for **networking sessions and events** where you see how you can use what you’re learning in the classroom and apply it to the working world. The entire York Science community, from your professors to your peers and the staff, wants to see you **strive for success.**”

Kobe
Actuarial Science Student



“I chose York Science because I was very happy to be able to select within a range of **flexible science programs** which included courses with hands-on laboratory research exposure within my first semester. York Science emphasized the importance of collaboration and using many resources that the university has to offer to make new students, like myself, **feel welcomed into a community** with peers who have similar interests.”

Victoria
Biomedical Science Student



WHY YORK SCIENCE?

York Science offers academic excellence as well as a collaborative and engaging culture that maximizes learning, belonging, and personal development. Our community of learners, academics, and student services staff are invested in helping each student fulfill their potential. A York Science education results in a scientific mindset valued by employers in any sector and a foundation for further study in academia or professional school.

EXPERIENTIAL EDUCATION

The Faculty of Science provides a rich diversity of opportunities for undergraduate students to engage in Experiential Education. Students can explore the ideas covered in class through a variety of experiences — whether they are in the classroom, in a lab, working at a community organization, or a private sector firm. Experiential Education leads to deeper learning and better preparation for life after graduation, whether that is in the job market or further professional studies.

Co-op & Internship

Co-op and internship opportunities allow students to gain professional, paid work experience related to their program of study. During their work terms, students will have the opportunity to apply their theoretical knowledge in a real work environment.

The **Co-op program** is available to full time science students who are enrolled in the following programs:

- Biochemistry
- Biology
- Biomedical Science
- Biotechnology
- Chemistry
- Environmental Biology
- Environmental Science

The **Internship program** is available to full time science students who are enrolled in the following programs:

- Actuarial Science
- Applied Mathematics
- Biochemistry
- Biology
- Biophysics
- Chemistry
- Mathematics for Education
- Pure Mathematics
- Physics & Astronomy
- Statistics

Research Opportunities

Advance your knowledge by gaining research experience outside of the classroom. Students are able to learn advanced lab skills, use sophisticated lab equipment, interact with graduate students, gain in-depth knowledge in a particular field, and actually contribute to the advancement of scientific knowledge.

“I think that my co-op placement at Sanofi Pasteur was very **beneficial for my career prospects and personal growth**. I learned the ins and outs of a pharmaceutical company and the industry in general, which helped clarify the career path I’d like to pursue after I complete my degree. I also felt supported by my co-op coordinator throughout the entire process, who not only helped me with my resume and applications but was also available for regular check-ins while I was doing my placement.”

Anastasia

Biotechnology Alumni, Co-op at Sanofi Pasteur Ltd.



GREAT FUTURES START HERE

At York, scientific progress occurs within and across traditional disciplines through innovation and collaboration. The Faculty of Science lets you customize your university experience to feed your curiosity and meet your academic and career needs.

Program	ENG4U	MHF4U	SBI4U	SCH4U	SPH4U	MCV4U	Other requirements
Life Science							
Biology (BSc, iBSc)	✓	✓	✓	✓	○		
Biomedical Science (BSc, iBSc)	✓	✓	✓	✓	○		
Biotechnology (BSc)	✓	✓	✓	✓	○		
Environmental Biology (BSc)	✓	✓	✓	✓	○		
Environmental Science (BSc)	✓	✓	✓	✓	○	✓	
Neuroscience (BSc)	✓	✓	✓	✓			
Chemical & Physical Science							
Biochemistry (BSc)	✓	✓	✓	✓	○	✓	
Biophysics (BSc)	✓	✓	✓	○	✓	✓	
Chemistry (BSc)	✓	✓		✓	○	○	one additional 4U or M science
Physics & Astronomy (BSc)	✓	✓		○	✓	✓	
Mathematics & Statistics							
Actuarial Science (BA)	✓	✓				○	
Applied Mathematics (BA) (BSc)	✓	✓				○	
	✓	✓				○	SBI4U or SCH4U or SPH4U
Data Science (BA) (BSc)	✓	✓				✓	MHF4U grade of at least 75%
	✓	✓				✓	SBI4U or SCH4U or SPH4U, MHF4U grade of at least 75%
Mathematical Biology (BSc)	✓	✓	✓	✓	○	✓	
Mathematics (BA) (BSc)	✓	✓				○	
	✓	✓				○	SBI4U or SCH4U or SPH4U
Mathematics for Education (BA) (BSc)	✓	✓				○	
	✓	✓				○	SBI4U or SCH4U or SPH4U
Statistics (BA) (BSc)	✓	✓				○	
	✓	✓				○	SBI4U or SCH4U or SPH4U
Other Science Programs							
Undecided Major (First year only)	✓	✓					SBI4U or SCH4U or SPH4U
Science, Technology & Society (BA) (BSc)	✓						SBI4U or SCH4U or SPH4U
	✓	✓					SBI4U or SCH4U or SPH4U

✓ Prerequisite requirement ○ Recommended course

SCHOLARSHIPS & STUDENT SUCCESS

Learn more about the financial, academic, and social support for students in the Faculty of Science and at York University.

STUDENT SUCCESS

York Science students are assigned a Science Academic Advisor during their time with us. We want to ensure that our students always have a place to go for advice, or just a supportive smile. We make sure they have the information they need, when they need it via sessions throughout the year such as the “How to Make the Rules Work for You” series or “Finishing the Term Strong: Preparing for Exams”.

There are a number of ways we help maximize our students’ success. For more information, visit:
yorku.ca/science/student-success

STUDENT TRANSITION

Orientation - A great way for new students to transition into university, discover campus resources, and establish social and academic networks.

Peer Mentoring - The Peer Mentoring program is designed to assist first-year students in making a successful transition to university life.

AFFILIATIONS

Bethune College - Bethune is the “home” for science and engineering students at York. Students are automatically members of the college, and have free access to a variety of academic services, such as, Peer-Assisted Study Sessions, Peer Tutoring, the Bethune Writing Centre, Seminars and Workshops.



YORK SCIENCE SCHOLARS AWARD

Consider applying for the Faculty of Science combined scholarship and research placement award, worth \$10,000 in total. Our current recipients are doing innovative research in areas ranging from sensory information & perception to regulation of gene expression in *Tetrahymena thermophila*.

Visit our website for more information or to apply:
yorku.ca/science/yssa

SCHOLARSHIPS & AWARDS

Faculty of Science Entrance Scholarship
(for applicants with an average of 90%+) (**\$2,000**)

Ray and Joe Abramson Award in
Mathematics & Statistics (**\$1,300**)

For a full list of the scholarships, awards, and bursaries available to York students, visit:
go.yorku.ca/scholarships

ENTRANCE SCHOLARSHIPS

Incoming students are automatically considered for the **York University Entrance Scholarship** (no application required) based on final admission average.

Final Average	Amount
95% +	\$18,000 (\$4,000 x 4 yrs* + \$2,000**)
90% - 94.9%	\$12,000 (\$2,500 x 4 yrs* + \$2,000**)
85% - 89.9%	\$6,000 (\$1,500 x 4 yrs*)
80% - 84.9%	\$4,000 (\$1,000 x 4 yrs*)

*Scholarships are renewable for an additional three years of full time undergraduate study as long as the renewal criteria is maintained.

**90%+ students receive the Science Scholarship of \$2,000 for first year in addition to the York University General Awards.



Scan the QR code to access our digital viewbook and learn more about the Faculty of Science at York.

LET'S CONNECT


We are happy to help! Give us a call or drop us an email.


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Amazing things happen when diverse communities work together to tackle world issues. When York University students apply their knowledge, they have the power to make things right.

Join us in creating positive change. yorku.ca/rightthefuture

**RIGHT
THE
FUTURE™**

science

