



2022-23

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

JOIN THE SCIENCE COMMUNITY

Join the Science Community on Slack. You can ask questions about the Faculty of Science, your future program, and how to attend upcoming events. You can also meet other future York Lions and connect with current students and staff in the Faculty of Science.

To learn more and to join, visit:
yorku.ca/science/join-the-science-community

REGISTER FOR REWARDS

Sign up for the York Science Reward Program. You can earn points for every Faculty of Science event and activity you participate in and 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

HEAR FROM OUR STUDENTS

Hear directly from undergraduate students and alumni about their experiences with the Faculty of Science at York University. Learn about what makes York Science a great place to study, make friends, and grow.

To hear from our students, visit:
yorku.ca/science/hear-from-our-students

“ When I went to orientation for York Science, one of the things that really blew me away was **how passionate the professors are to help their students** learn and grow in their academic careers. I think York Science does a very nice job of balancing theoretical knowledge as well as applying that knowledge in a more practical setting with interactive experiments as well as other opportunities.”

Thompson Q
Biomedical Science Alumni



“ 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 K
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 in 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
- 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 A

Biotechnology Student, 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)	✓	✓	✓	✓			
Undecided Major (First year only)	✓	✓					SBI4U or SCH4U or SPH4U
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)	✓	✓				○	
	✓	✓				○	SBI4U or SCH4U or SPH4U
Mathematical Biology (BSc)	✓	✓	✓	✓	○	✓	
Mathematics (BA)	✓	✓				○	
	✓	✓				○	SBI4U or SCH4U or SPH4U
Mathematics for Education (BA)	✓	✓				○	
	✓	✓				○	SBI4U or SCH4U or SPH4U
Statistics (BA)	✓	✓				○	
	✓	✓				○	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 TRANSITION

Orientation - A great way for new students to transition into university, discover campus resources, and establish social and academic networks. The events, tours, and panels during orientation are geared towards science students.

Peer Mentoring - The Peer Mentoring program is designed to assist first-year students in making a successful transition to university life. All incoming first-year science students are matched with a peer mentor before September classes start. The mentors are in the same program as the incoming students and are available to answer questions, give advice, and help incoming students adapt to university life.

AFFILIATIONS

Bethune College - Bethune is the “home” for science and engineering students at York. Students in the Faculty of Science and Lassonde School of Engineering are automatically members of the college, and have free access to a variety of academic services, such as:

- Peer-Assisted Study Sessions
- Peer Tutoring
- Seminars and Workshops
- Class Representatives
- Bethune Writing Centre
- Math Help



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 scholarships available, 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%	\$10,000 (\$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™**

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