

BSc Life Sciences

Arts and Science ONLINE

Develop a strong grounding in basic sciences like chemistry and biology, and then focus on the biomedical sciences such as human anatomy, physiology, microbiology, and pharmacology. This online general BSc program will foster an interdisciplinary perspective to your understanding of today's diseases and disorders, while enhancing your critical analysis and communication skills. This online degree is also a good fit if you have aspirations to attend professional schools to become a healthcare professional.

PROGRAM PLAN

The Bachelor of Science in Life Sciences program plan consists of 90.0 units. 42.0 of these units are electives which can be taken from any subject, at any level and in any order, as long you have (or obtain) the prerequisites for any 200 or 300-level courses. The other 48.0 units must be taken as described.

Explore the [Programs website](#) to learn more.

ARTS AND SCIENCE ONLINE STUDENT PROFILE

Click [here](#) to get more information about online students.

57% of students
WORK FULL

37% are
PARENTS/
GUARDIANS

15% of students
WORK PART TIME

10% of students are SELF
EMPLOYED



"I am a recent graduate of Queen's ASO program, having received my Bachelor of Life Sciences Degree. Being able to obtain my degree through the Queens ASO has left me filled with gratitude and pride. As a woman in her mid-thirties, mother, wife and employee, the chance to study and receive a degree through Queens in a way that was accessible to my circumstances was a privilege and a second chance for me.

Through the many courses I took with Queens, my career path became clear. With the help of my BSc in Life Sciences, I have been accepted into a competitive entry Medical Laboratory Technology program in Nova Scotia. Participating in online groups with other students and professors, attending webinars, and being a peer mentor made me feel like I was a part of the Queens community. Although I never met any of my professors in person they were only a click away, very quick to respond to any questions or concerns, and accessible for support.

I am forever grateful to the Queens ASO program for providing me with the opportunity to pursue my dreams when my life circumstance felt that it may not be logistically possible! Queen's ASO program can be accommodated to fit your life, whether you take one course a semester or six, it's up to you. It is never too late to continue your education and go after your dreams!"

- Brittany Chiasson, LISC BA Graduate 2023

Life Sciences ONLINE BACHELOR OF SCIENCE MAP



EARLY STAGES

LATER STAGES

GET THE COURSES YOU NEED

- Initially you will have the chance to explore the foundations of Life Sciences along with some electives.
- Then, start going deeper into the discipline of Life Sciences, and consider adding a certificate such as Employment Relations.
- Want to make sure your academics are where you want them to be? Visit [SASS \(Student Academic Support Services\)](#) and the Writing Centre websites for help.

- Start grouping courses in areas of interest, or keep it more general and explore many areas of Life Sciences.
- Book an online appointment with an Academic Advisor to make sure you are on track and have planned out your courses for the final stages of your degree.

BUILD SKILLS AND EXPERIENCE

- Investigate requirements for future full-time jobs or other career related opportunities. Assess what experience you're lacking and fill in gaps with volunteering or clubs.
- Start collecting stories and evidence of your experiences to use in future resumes, cover letters, interviews, and portfolios.

- Consider contributing to publications such as [Ultraviolet Magazine](#) or the [Queen's Journal](#).
- Volunteer to be an [Arts and Science Online \(ASO\) Peer mentor](#).

GET CONNECTED WITH THE COMMUNITY

- Join groups on LinkedIn reflecting specific careers or topics of interest in Global Development Studies.
- Reach out to the ASO Student Engagement Lead to get connected with peer mentors.
- Follow [Arts and Science Online on Facebook](#) to connect with us.

- Do targeted networking with alumni working in careers of interest by joining the LinkedIn group Queen's Connects.
- Check out [Career Services](#) networking workshops.
- Look for volunteer opportunities in your community such as the 211 Ontario or Charity Village that can polish your skills.

ENGAGE WITH DIVERSITY

- Prepare for work or studies in a multi-cultural environment by taking a [QUIC's Intercultural Awareness Certificate](#), and research possible immigration regulations.
- Consider a study abroad experience at [Bader College in England](#).

- Build your intercultural competence by getting involved with other cultures or by practicing or improving your language skills.
- Explore workshops from the [Human Rights and Equity Office](#) on a wide range of topics in Equity, Diversity, and Inclusion.

GET READY FOR LIFE AFTER GRADUATION

- Get some help with exploring career options from Career Services. A career coach can help you think through possibilities, take stock of your experience, and figure out next steps to move in the direction of your career goals.
- Explore different careers of interest by through [Career Cruising](#) or by finding and connecting with alumni on LinkedIn.

- Start focusing on areas of interest. Research education requirements for careers of interest. If needed, prepare to take any required tests (like the LSAT or GMAT) and get help thinking about post-degree studies from Career Services.
- Apply to jobs or consider furthering your education by applying to a Professional Masters program or a post-degree program. Seek support from Career Services with job searching, resumes, interviews, or applications.

HOW TO USE THIS MAP:

Is a career change or further education in your future? Use the 5 categories of the map to explore possibilities and plan for success in the five overlapping areas of career and academics.

The map offers suggestions to make your own plan specific to your needs and life context. You can consider your existing experiences and career goals, and start mapping out the steps you need to get there.

WHAT WILL I LEARN?

A degree in Life Sciences can equip you with the skills to:

- Think critically and systematically
- Generate ideas about complex subjects
- Use methods of analysis and logical reasoning
- Form and defend positions
- Consider unfamiliar ideas and evaluate opposing arguments
- Identify underlying assumptions across a range of issues
- Summarize and communicate complex material
- Speak and write at a superior level
- Interpret historical and contemporary ideas and texts
- Transferable skills that can be gained through an interdisciplinary approach to intellectual inquiry, argument, and analysis.

WHERE CAN I GO?

A degree in Life Sciences can take your career in many directions. Our students are equipped with a strong foundation for careers in:

- Animal research
- Audiology
- Biochemistry
- Biotechnology
- Drug development
- Environmental management
- Ergonomics
- Food science and technology
- Forensics
- Genetics
- Health administration
- Kinesiology
- Medical and clinical research
- Medical illustration
- Microbiology
- Nutrition & dietetics
- Occupational health and safety
- Pharmaceutical industry
- Public and private research laboratories

Some careers may require additional training or experience.

WHAT ABOUT GRADUATE SCHOOL AND FURTHER EDUCATION?

When investigating requirements for careers of interest, be sure to take note of educational requirements – particularly if they require further education beyond a bachelor's degree. While there are many programs open to 3-year degree graduates, some may require a 4-year degree, the equivalent of a 4-year degree, or a combination of education and experience.

For graduate school programs requiring a 4-year degree, you might want to consider:

- Getting additional work experience before applying to further education to apply later as a mature student.
- Extending your 3-year degree by adding a certificate or additional courses to be equivalent to a 4-year degree.
- Taking additional colleges courses or a 1-year diploma at a college to make up the equivalent of a 4-year degree.
- Exploring if it is possible to take required courses at the future institution during a year as a qualifying student before beginning graduate education.
- Research programs that are more flexible in their requirements. In particular, private institutions, college post-grad diplomas, and intentional programs (e.g. Europe) where 3-year undergrad degrees are a common requirement to apply for an MA program.
- Learning from your classmates about what programs they are applying to with their 3-year online degrees.
- Read the article [Post-Graduate Options for General \(90.0 unit\) Bachelor's Degrees](#).

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Application FAQs

Reasons to Pursue an Online Degree

- 1 There is no differentiation between Queen's online and on-campus programs when it comes to accreditation.
- 2 You can choose your courses based on your own work-life balance.
- 3 The assignments will have fixed deadlines but when you choose to work on them is up to you.
- 4 Some online activities may take place virtually, these sessions may be recorded so that you can view them at your convenience.
ASO is invested in educational transformation and evidence-based practices that provide all our students with the best possible learning experiences.
- 5

How does ONLINE LEARNING work?

Find out how online learning works [here](#).

When can I APPLY?

Learn more about key dates for admission applications [here](#).

What do I need to know to APPLY?

Queen's Arts and Science Online has several admission categories for students with diverse educational backgrounds. Choose the right one for you [here](#).

Am I eligible for TRANSFER CREDITS?

Find out more details about credit transfers [here](#).

TUITION Fees?

For information about fees and tuition, please check the [Registrar and Financial Aid Services](#).

Add a **CERTIFICATE**

ACADEMIC WRITING

Students will be given the opportunity to enhance and accredit their writing skills, enabling them to communicate effectively and prepare for future writing tasks in both academic and professional contexts.

EMPLOYMENT RELATIONS

Students will be introduced to the theory, policy and legal frameworks behind the employment relationship, and how these can be applied to assess workplace challenges and problems.

ENTREPRENEURSHIP, INNOVATION & CREATIVITY

Students will have the opportunity to study and practice skills in marketing and promotion as well as finance and business planning.

FRENCH FOR PROFESSIONALS

Students will obtain the necessary language skills to effectively work in a bilingual professional environment.

GLOBAL ACTION & ENGAGEMENT

Students will explore concepts related to the political, economic, social and cultural forces that shape contemporary global interactions.

MEDIA STUDIES

Students will have the opportunity to develop and accredit their fluency in the foundations of media and cultural studies.

Learn more on our certificates on our [program site](#).



Queen's
UNIVERSITY

**ARTS AND
SCIENCE**

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