Looking AHEAD to 2019

Beginning in September 2019, Queen’s Faculty of Health Sciences will be offering a direct-entry, on-campus Bachelor of Health Sciences program. The on-campus BHSc program will be blended, offering a unique combination of face-to-face and online learning. Students won’t be restricted by the traditional format and predefined hours of lecture-based learning, but instead will study online modules at their own pace and attend engaging classroom sessions where they will apply course material to real-world contexts.

In the flipped model offered by Queen's BHSc, the facilities are designed to enhance face-to-face interactions, enabling students to learn from each other and from course faculty in an efficient and effective manner. The on-campus program is built upon the same competency framework as the online program, with the curriculum focusing on critical thinking, application of knowledge, and on ‘doing’ rather than just ‘knowing’. Queen’s BHSc has features of both the Life Sciences and Health Studies programs offered by Queen’s. It focuses on human health from multiple viewpoints: from global and population health to molecular biology, and everything in between.

Degree OPTIONS

Bachelor of Health Sciences (General) 3 Years, 90 credits
Bachelor of Health Sciences (Honours) 4 Years, 120 credits

Queen's ADMISSIONS

Applicants who have, or will successfully complete, a diploma from a Canadian or international high school will be considered through the traditional admission stream. Candidates can apply through Queen’s Undergraduate Admission using the webapp or through QUAC (Code QH0). Course prerequisites include 4U English, any 4U Math, and two of 4U Chemistry, 4U Biology, or 4U Physics. Check Online for courses required for students outside of Ontario.

Students who lack the traditional admission requirements have the opportunity to enter the program by starting out as a Non-Degree Interest Student. Applicants accepted as an Interest student can bridge into the program after completing three specific first year courses and achieving a cumulative GPA of 3.0 in these courses.

The Online ADVANTAGE

Online learning is becoming increasingly popular and the benefits are numerous. Perhaps the biggest advantage of online learning is the flexibility it provides. Students can work at their own pace and are not restricted by the traditional format and hours of a classroom experience. Learning can happen anytime and anywhere online, and this gives students the flexibility to customize learning to their own unique lifestyles. This individual pace also encourages students to become more motivated and engaged as learning happens at a time and place of each student’s choosing.

Course HIGHLIGHTS

The Bachelor of Health Sciences program has been purpose-built to expose learners to a wide range of knowledge in the field of health sciences. Innovative courses have been developed such as:
- Developmental Origins of Health and Disease
- Health Ethics, Law, and Policy
- Evolutionary Biology of Cancer

In addition to these courses, the curriculum highlights a number of traditional fields within the health sciences, while also incorporating important topics such as Global and Population Health and Social and Physical Determinants of Health and Disease. Courses are built as interactive online modules that not only teach content through a variety of multimedia, but allow students to test their knowledge as they work through each module.
**GET THE COURSES YOU NEED**

1ST YEAR

- Complete our Orientation Module prior to starting course work.
- Take PHGY 125, BMED 270, GLPH 271, BCHM 270, and one of MCR 270 or 271. Also take 6.0 units of optional courses and 6.0 units of electives (which can include optional courses).

2ND YEAR

- Take PHGY 215, BMED 270, GLPH 271, BCHM 270, and one of MCR 270 or 271. Also take an additional 6.0 units of optional courses and 6.0 units of electives (which can include optional courses).

3RD YEAR

- Take BMED 370, BMED 372, BMED 373, PHGY 370, and PHAR 270. Also take an additional 9.0 units of optional courses and 6.0 units of electives (which can include optional courses).

4TH YEAR (HONOURS)

- Take GLPH 471, BMED 472, and BMED 473. Also take an additional 15.0 units of optional courses and 6.0 units of electives (which can include option courses).

**GET RELEVANT EXPERIENCE**

- If in Kingston, see the AMS Clubs Directory or the Queen's Get Involved page for ideas to get involved.
- Other ways to become involved include volunteering for after-school children's programs, volunteering in retirement residences, aiding in the integration of recent immigrants to Canada, or volunteering at veterinary clinics or a local animal shelter.
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**GET CONNECTED WITH THE COMMUNITY**

- Volunteer with various community organizations, such as local charities, local organizations that cater to a specific at-risk population, hospitals, public health units, or larger, national or global organizations such as Canadian Blood Services, the Canadian Red Cross, Medicins Sans Frontières, Right to Play or Me to We.
- Develop greater connections with the organizations that you volunteer for, taking on responsibilities or special projects that help the organization in a tangible manner.

**GET THINKING GLOBALLY**

- Think about international affairs and global health issues and how you would like to incorporate these areas into your degree.
- Bilingualism opens up many job opportunities in Canada. Consider increasing your proficiency in French through Queen's courses or language clubs, city-run programs, or through apps such as Duolingo, Rosetta Stone, or Babble.
- If you're looking to internationalize your degree or to leverage your existing cross-cultural experience, start brainstorming about what kind of experience you would like to have.

**GET READY FOR LIFE AFTER GRADUATION**

- Explore the BHSc program website to see how it can act as a stepping stone to a new healthcare career.
- Need career advice? You can book a phone or skype appointment with a career counsellor through MyCareer or call the Career Services reception at 613.533.2992.
- Grappling with program decisions? Talk to one of the BHSc Academic Advisors by emailing bhscadvisor@queensu.ca.
- Look for opportunities to get hands-on experience in your field by becoming an intern at dental or veterinary clinics, in hospitals, or by looking for summer work opportunities in government/private laboratories.
- Start focusing on areas of interest and research which educational requirements are needed, the Program website can help you start. If needed, prepare to take any required tests (like the MCAT or Dental Aptitude Test) and research possible scholarships/bursary opportunities in your desired field.
- Connect with Queen's alumni on LinkedIn.
- Confirm requirements for full-time jobs or professional program applications or other opportunities related to careers of interest.
- Apply to jobs or future education, or make plans for other adventures. Get help from Career Services with resumes, interviews, grad school applications, or other decisions.

**Employability skills**

Your time at Queen's will give you valuable skills to boost your employability, including:

- Knowledge of cellular structures, organic systems, organic chemistry, and the functions of the human body
- Understanding of statistical research methods, the scientific method, and experimental design
- An appreciation for the social and scientific aspects that contribute to health and healthcare
- Research skills - ability to draw relevant information out of a large amount of data
- Attention to detail - analyze and interpret scientific data
- Problem solving - adopt a systematic approach to problems
- Oral and written communication - produce laboratory reports and present a report to a group
- Resource and time management
- Advocacy on behalf of different stakeholders/populations with the ability to craft messages based on the audience
- Collaborating with peers to achieve common goals

**Where could I go after graduation?**

- Biotechnology
- Dentistry
- Drug development
- Environmental management
- Toxicology
- Health administration and public health
- Medical and clinical research
- Microbiology
- Neuroscience
- Nutrition & dietetics
- Occupational health and safety
- Optometry
- Pharmacology
- Veterinary medicine

*some careers may require additional training and you may need to ensure your BHSc course selections fulfill the required pre-requisites. Career paths are suggestions only.

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Visit careers.queensu.ca/majormap for the online version with links!