



Career Options after Human Biology

the study of human life
www.utsc.utoronto.ca/biosci
Specialist, Major

What is HuMAN Biology?

The Human Biology program emphasizes in the study of the biology of humans and they are tailored for students who wish to pursue a career in a health-related field. The Human Biology specialist program provides a solid foundation of introductory science courses and core biology courses while emphasizing, in the upper years, issues related to human health, the nature of humans and their culture as well as the interaction of the human species with the environment.

This program is suited for those students who wish to go onto health-related fields such as medicine, dentistry, nursing, pharmacy, physiotherapy and health policy/management or graduate studies in these, and other, areas such as physiology, medicine, and endocrinology.

Skills of HuMAN Biology Grads

- Knowledgeable in theory and modern experimental techniques in Biology
- Comprehend the molecular, cellular and physiological mechanisms that control and coordinate the function of various systems within the body
- Acquire knowledge of mechanisms behind diseases and therapeutic approaches
- Learn modern laboratory technologies and techniques
- Conduct and design experiments to test hypothesis
- Gather evidence and analyze data using statistical methods to test predicted outcomes
- Examine and critically analyze biological problems and questions
- Analyze ideas and information to predict outcomes
- Research, analyze, and develop understanding from various scientific literature sources
- Decipher relevant information from multiple sources, organize, and convey a comprehensive scientific argument
- Write literature reviews and scientific reports
- Communicate information on biological phenomena

Entry-Level Jobs for Bachelor Grads

Common employment destinations include:

- Research Assistant in Hospitals
- Sales in Pharmaceuticals and Medical Supplies
- Assistant Biologist, Food Inspection Agencies
- Laboratory Technician in Government Agencies
- Quality Control in Biopharmaceutical Industry
- Conservation Officer in Government Services
- Volunteer Coordinator in Non-profits
- Marketing Associate for Medical Devices
- Teaching Assistant or Tutor in Private Schools

The Career Directory: www.canadastop100.com/tcd

Graduate & Professional Studies

- Grad studied to MSc degree
- Grad studied to PhD degree
- Medical or Dentistry School – MD or DDS
- Physical or Occupational Therapy - Master
- Optometry School - OD
- Nursing - Bachelor
- Education - Bachelor, Master
- Biotechnology - Diploma, Master, PhD
- Naturopathy or Chiropractic - ND or DC
- Medical Laboratory Tech - Advanced Diploma
- Clinical Research - Post-Graduate Certificate
- Insurance - Diploma or Graduate Certificate

Use LinkedIn!

UTSC Biology graduates are working in Research, Education, Healthcare and Business.

Attend our LinkedIn workshop to learn about the *Find Alumni* tool for networking!

Human Biology Grads from UTSC have gone on to:

- Scarborough Hospital (Physician Assistant)
- Mount Sinai Hospital (Research Coordinator)
- Loblaw's (Pharmacist)
- Optometrist
- Women's college hospital (Doctor)
- University Health Network (Biostatistician)

Examples of Fields that 'Fit' the Skills of Biology Grads

- Healthcare
- Federal, provincial, municipal governments
- Education
- Pharmaceutical
- Biosafety / Security
- Research (hospitals, nonprofit organizations)
- Biotechnology
- Colleges and universities
- Quality control (food, pharmaceutical, medical)
- Science and Academia (PhD- MD-Professors)

Your 4-Year Career Exploration Action Plan

1 Do Your Research

The databases below provide you with details about job prospects, nature of work, educational requirements, working conditions, pay and related career paths:

Career Cruising: Log into cln.utoronto.ca, click on Resources, and click on Career Cruising to be logged in automatically

O*Net: online.onetcenter.org (U.S. site)

Attend our workshop **Discover Your Skills and Career Options**, meet with a Career Counsellor, and use our resources to get to know your skills, values, personality and interests:

www.utsc.utoronto.ca/aacc/get-know-yourself

Use the advice on our tip sheets for gathering info: www.utsc.utoronto.ca/aacc/tipsheets

- Information Interviews
- Working On-Campus
- Internships
- Volunteering

3 Build Your Network

Explore Professional Associations and get involved: volunteer for their events and conferences, and get to know people in your industry of interest. These are your future mentors, supervisors and colleagues!

Biology Student Association at UTSC - www.thebiosa.org

About Bioscience - www.aboutbioscience.org

BioTalent Canada - biotalent.ca The Society for Biomolecular Sciences - www.slas.org

Canadian Council of Technicians and Technologists (CCTT) - www.cctt.ca

Canadian Food Inspection Agency - www.inspection.gc.ca

Canadian Institutes of Health Research - www.cihr-irsc.gc.ca

Canadian Society of Biochemistry, Molecular and Cellular Biology - www.csbmcb.ca

Hamilton Health Sciences - www.hamiltonhealthsciences.ca/careers/CareerTreeEnglish.pdf

Health Force Ontario - www.healthforceontario.ca/en/Home/Students

Ontario Public Health Association - www.opha.on.ca

2 Explore Career Options & Get Experience

Gain exposure to your options in the world of work and make connections while you're a student via campus events and programs listed on cln.utoronto.ca and ccr.utoronto.ca:

- [Extern Job Shadowing](#)
- [In the Field](#)
- [Explore It!](#) (course-based)
- [Partners in Leadership](#) (4th year students)
- [iLead, uLead, weLead](#) (Dep't of Student Life)
- Employer Information Sessions
- Career & Volunteer Fairs
- [Departmental Student Association](#) Events

Apply for [Work Study](#) jobs in CLN in Fall and Spring! You might also find work via www.scsu.ca/jobs.

Find networking opportunities, internship programs and entry-level jobs via websites like www.talentegg.ca and www.charityvillage.ca.

As an upper year student (14+ credits), attend UTSC's [Get Hired Conference](#) and participate in [Jobs for Grads](#).

As a graduate, explore internships and other trainee programs like www.careeredge.ca