Environmental Science (HBSc)

Department of Physical & Environmental Sciences

Environmental Science is an interdisciplinary field that incorporates the study of biology, chemistry, geology, and physics, in order to address many of the world’s complex environmental challenges including climate change, biodiversity loss and conservation, food security, natural resource management, and pollution and human health. Our Environmental Science programs will provide you with hands-on science education and training and will instill you with a broad range of skills that can prepare you to solve environmental problems at any sector of the man made and natural world. Through a powerful combination of field and lab courses, our Environmental Science programs will thoroughly train you for a career in the environment in consulting, government, non-government, research and teaching.

Complementary Programs: Environmental Studies, Geography, Chemistry, Biology, Physics, Computer Science, Statistics, Health Science, Sociology.

Check out future career opportunities and skills acquired from completing this program:

Competencies & Skills
- Use observations, samples, and specimens to explore theoretical concepts and conduct research
- Analysis of contaminants and pollutants
- Qualitative and quantitative approaches for environmental impact assessments and audits
- Statistical reasoning and methods
- Climate change modelling and impact assessment
- Design, implementation and reporting of research (lab & field) works

Careers for Graduates
- Environmental Consultant
- Environmental Planner
- Natural Resources Education Coordinator
- Environmental Management Services
- Field Technician for Resource Management and Conservation
- Environmental Sustainability
- Environmental Educator
- Environmental Technician/Technologist
- Program Coordinator in Provincial/National Parks
- Climate Services

Further Education
- Environmental Science
- Planning
- Environmental Technology
- Environmental Regulations
- Environmental Health and Safety
- Environmental Law
- Climate change and its impact on Environment
- Environmental Sustainability

Connect with Alumni at events on CLNx and through Partners in Leadership, 10,000 Coffees, LinkedIn and more!

For more information go to: uoft.me/alumni-services

NEED HELP CHOOSING YOUR PROGRAM?
See uoft.me/choosing

Publication Date: September 2020
# Environmental Science (HBSc)

## Major Program Pathway

### Choose Your Courses Wisely

<table>
<thead>
<tr>
<th>YEAR 1 (0 - 3.5 Credits)</th>
<th>YEAR 2 (4 - 8.5 Credits)</th>
<th>YEAR 3 (9 - 13.5 Credits)</th>
<th>YEAR 4 or FINAL YEAR (14 - 20 Credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOA01H3, BIOA02H3, CHMA10H3, CHMA11H3, [MATA20H3 or MATA30H3], [MATA21H3 or MATA35H3 or MATA36H3], [PHYA10H3 or PHYA11H3], EESA06H3.</td>
<td>STA2B2H3 and 1.5 credits from: EESB03H3, EESB04H3, EESB05H3, EESB16H3, AND 0.5 credit from: BIOB05H3, EESB02H3, EESB17H3, PSCB17H3, PSCB90, CHMB15H3.</td>
<td>2.0 credits at the C- or D-level in EES courses (taken in year 3 and 4) with at least 0.5 credit at the D-level; OR 1.5 credits at the C- or D-level in EES courses and PSCD11H3 (Communicating Science: Film, Media, Journalism, and Society).</td>
<td>Use Degree Explorer to ensure you are on track to graduate.</td>
</tr>
<tr>
<td>Explore different kinds of courses, this will also help with fulfilling breadth requirements and electives.</td>
<td>Use Degree Explorer and meet with your Program Advisor to ensure you are on track with your degree.</td>
<td></td>
<td>Ensure you have fulfilled your breadth requirements.</td>
</tr>
<tr>
<td>Apply Theory to Practice</td>
<td>Check the Research Catalogue and jobs on CLNx for possible research opportunities.</td>
<td>Enter to win the UTSC Library Undergraduate Research Prize or Poster Forum.</td>
<td>Apply for the Academic Travel Fund through DSL to conduct research, present at a conference, or engage with the academic community internationally.</td>
</tr>
<tr>
<td></td>
<td>Drop by the Math &amp; Statistics Learning Centre to have your course-related questions answered.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Check out Global Research Abroad opportunities through the International Student Centre (ISC) to gain valuable international and research experiences.</td>
<td></td>
<td>Attend the Summer &amp; Full-time Job Fair in January to meet with potential employers looking to hire students for relevant summer and full-time positions.</td>
</tr>
<tr>
<td></td>
<td>Look into Global Learning opportunities, such as the Summer Abroad, Explore, or Student Exchange Programs.</td>
<td></td>
<td>Participate in the AA&amp;CC's Partners in Leadership program to learn and network with an alumni mentor about transitioning into the work field or further education.</td>
</tr>
<tr>
<td></td>
<td>Gain experience by applying for a summer, part-time or Work Study position via CLNx.</td>
<td></td>
<td>Attend the AA&amp;CC's Get Hired job search conference in April/May.</td>
</tr>
<tr>
<td></td>
<td>Considering grad school? Speak to professors and advisors early so you choose the right courses.</td>
<td></td>
<td>Attend a Jobs for Grads orientation for a job search “crash course” and for access to full-time job listings.</td>
</tr>
<tr>
<td></td>
<td>Explore careers through the AA&amp;CC's Job Shadowing and In The Field programs.</td>
<td></td>
<td>Discuss grad school plans early with staff at the AA&amp;CC and your professors; get your Personal Statement reviewed in the AA&amp;CC.</td>
</tr>
<tr>
<td></td>
<td>Ensure you have fulfilled your breadth requirements.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ensure you have fulfilled your breadth requirements.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Participate in the AA&amp;CC's Partners in Leadership program to learn and network with an alumni mentor about transitioning into the work field or further education.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Attend the AA&amp;CC's Get Hired job search conference in April/May.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Attend a Jobs for Grads orientation for a job search “crash course” and for access to full-time job listings.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Discuss grad school plans early with staff at the AA&amp;CC and your professors; get your Personal Statement reviewed in the AA&amp;CC.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### HOW TO USE THIS PROGRAM PATHWAY

Read through each year; investigate what appeals to you here and in other Program Pathways that apply to you. Note that this Pathway is only a suggestion. For the most up to date information, please check the UTSC Calendar.
FUTURE STUDENTS
For admission requirements to UTSC, check out the U of T Scarborough Viewbook or contact:
Admissions & Student Recruitment
University of Toronto Scarborough
Room HL104, Main Floor, Highland Hall
416-287-7529
admissions@utsc.utoronto.ca

CURRENT STUDENTS
Departmental Contact
Tanzina Mohsin, tanzina.mohsin@utoronto.ca, 416-287-7245

Environmental Science Librarian
Sarah Forbes, s.forbes@utoronto.ca, 416-287-5616

Academic Advising & Career Centre
Room AC213 | 416-287-7561

Department of Student Life
Room SL157 | 416-208-4760

Environmental & Physical Sciences Students’ Association (EPSA)
myepsa.ca

Glossary of acronyms:
AA&CC - Academic Advising & Career Centre
CLNx – Career & Co-Curricular Learning Network
CCR - Co-Curricular Record
CTL - Centre for Teaching and Learning
DSL - Department of Student Life
EPSA - Environmental and Physical Sciences Students’ Association
ISC - International Student Centre
SCSU - Scarborough Campus Students’ Union

DID YOU KNOW...
Environmental Science offers three combined Master’s degree programs: https://utsc.utoronto.ca/gradpes/programs-menvsc-0

DISCLAIMER: Please refer to the calendar for the most current and accurate information on programs and degrees: utsc.calendar.utoronto.ca