

# ARTS AND SCIENCE – UNIVERSITY TRANSFER (ASU)

## About the Program

This two-year diploma program enables you to pursue a university education in the sciences and complete a diploma and a university degree in as little as four years at the University of Toronto (St. George or Scarborough), York University, or Trent University. Courses include Math, Chemistry, Biology, Physics, and a range of Humanities and Social Sciences.

## Credential Awarded

Ontario College Diploma

## Duration

4 Semesters (2 Years)

## Starts

January, September

## Program and Course Delivery

This program is offered in person. Students are required to come on campus to attend classes.

## Your Career

This program enables you to directly transfer to an Honours Bachelor of Science university degree program at one of our partner universities.

You may transfer to:

- University of Toronto St. George
- University of Toronto Scarborough
- York University
- Trent University

Interested in completing a Bachelor of Arts? See our Liberal Arts University Transfer (<https://www.senecapolytechnic.ca/programs/fulltime/LAT.html>) program.

## Program of Study

Course Code	Course Name	Weekly Hours
<b>Semester 1</b>		
BIO358	Biology I	6
COM101 or COM111	Communicating Across Contexts Communicating Across Contexts (Enriched)	3
MTH358	Functions and Relations	4
PSY191	Foundations of Psychology I	3
YKC100	Critical Thinking I	3
<b>Semester 2</b>		
ARW250	Academic Research and Writing	3
BIO359	Biology II	6
MTH458	Calculus I	5
PSY291	Foundations of Psychology II	3

YKC200	Critical Thinking II	3
<b>Semester 3</b>		
CHM358	Chemistry I	6
MTH459	Calculus II	5
PHY358	Physics I	6
SCL191	Introduction to Sociology I: Social Inequality	3
YKL100	Introduction to World Literature I	3
<b>Semester 4</b>		
CAN604	A Social History of Canada	3
CHM359	Chemistry II	6
PHY359	Physics II	6
SCL291	Introduction to Sociology II: Social Inequality	3
YKL200	Introduction to World Literature II	3

## Program Learning Outcomes

This Seneca program has been validated by the Credential Validation Service as an Ontario College Credential as required by the Ministry of Colleges and Universities.

As a graduate, you will be prepared to reliably demonstrate the ability to:

- Develop laboratory skills to systematically explore phenomena in the natural world.
- Use evidence-based practices to develop and defend arguments in the humanities and social sciences.
- Describe how the scientific method is used to investigate complex problems in the natural sciences.
- Use written, verbal, and digital communication tools and strategies to disseminate information for a variety of purposes.
- Employ scientific terminology and concepts to describe natural phenomena.
- Describe the development of western thought in a global context and relate to the modern world.
- Question cultural norms in order to develop a personal world view in relation to others.

## Admission Requirements

- Ontario Secondary School Diploma (OSSD) or equivalent with:
  - Grade 12 English: ENG4(C) or ENG4(U)
  - Grade 12 Mathematics: (C) or (U) or Grade 11 Mathematics: (U) or (M)

Canadian citizens and permanent residents may satisfy the English and/or mathematics requirements for this program through successful Seneca pre-admission testing. (<https://www.senecapolytechnic.ca/registrar/canadian-applicants/admission-requirements/mature-applicants.html>)

Recommended upgrading for applicants who do not meet academic subject requirements (<https://www.senecapolytechnic.ca/registrar/canadian-applicants/admission-requirements/upgrading-options.html>).

## Notes

Although not required for admission, the following courses are recommended for success in the program:

- Grade 12 Mathematics: MCV4U Calculus and Vectors, MHF4U Advanced Functions, or MCT 4C Mathematics for College Technology

## International Student Information

International admissions requirements vary by program and in addition to English requirements (<https://www.senecapolytechnic.ca/international/apply/how-to-apply/admission-requirements/english-requirements.html>), programs may require credits in mathematics, biology, and chemistry at a level equivalent to Ontario's curriculum, or a postsecondary degree or diploma, equivalent to an Ontario university or college. Program-specific pre-requisite courses and credentials are listed with the admission requirements on each program page. To review the academic

requirements please visit: Academic Requirements - Seneca, Toronto, Canada ([senecapolytechnic.ca](https://www.senecapolytechnic.ca)) (<https://www.senecapolytechnic.ca/international/apply/how-to-apply/admission-requirements/academic-requirements.html>).

## Pathways

As a leader in academic pathways, we offer a range of options that will allow you to take your credential further in another Seneca program or a program at a partner institution.

To learn more about your eligibility, visit the Academic Pathways (<https://www.senecapolytechnic.ca/pathways.html>) web page.

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