

Looking to broaden your understanding of waterpower development?

Applications are open for [Waterpower Essentials \(APS1410\)](#) at the University of Toronto.

The course presents an overview of the waterpower industry, beginning with its ecological and historical context, how power stations work, and their major components. After a site tour, students will consider the major decision-making factors in the design of a waterpower facility: policy and planning considerations, the business case, commercial markets, and risk management. With this, the finer details of power station design are introduced: turbine selection, electrical and control components, as well as how these components work. Further, students are introduced to operations and maintenance considerations, contract models, and dam safety. A course project will mirror these topics, as students evaluate the feasibility of a greenfield waterpower facility. With the support of industry professionals, students will work through the complexity and ambiguity of a development project.

Duration:

The Course takes place at the University of Toronto, St. George campus (classroom TL3053), between September 14th and December 14th, 2026, on Mondays from 4pm to 7pm.

There are two options for participants who are not UofT students to attend the course:

Register as a Non-Degree UofT Student: (complete coursework and receive a grade on an official UofT transcript).

- Go to the online admission application system: <https://admissions.sgs.utoronto.ca/apply/>, and create a profile.
- Email the Admissions Team at CivMin (admissions.civmin@utoronto.ca) once you have created a profile. They will then give you follow up instructions to complete the application.

Register as an Auditing Student: (attend lectures, but do not complete course work or receive a grade. Letter of attendance can be provided on request)

- Email the Admissions Team at CivMin (admissions.civmin@utoronto.ca) and they will send you the audit form to complete.

For more details about the application process and fees for each option, please see the CivMin website here:

[Graduate Courses: Auditing, Non-degree Students and Visitors](#)

Questions about UofT's waterpower courses?

Contact Alina Racoviceanu: a.racoviceanu@utoronto.ca