



# AC Fundamentals

## Course Overview

**\$635**

This online course introduces you to the basic alternating current (AC) electricity, beginning with an introduction of basic mathematics, inductive and capacitive components found in AC circuits (capacitors, inductors, and transformers), and frequency response characteristics. We will examine models of transmission lines and learn about power factor, giving you the skills to become familiar with the tools used to measure AC.

### Recommended

Completion of DC Fundamentals or equivalent, Math 11 or 12 and Physics 11 or 12.

### Additional Information

After your tuition payment has been processed, you will be sent detailed instructions on how to access the course online. Students are allowed 30 weeks to complete the course. There is an option for an 8 week extension for an additional fee.

Approximately one week before the course starts you will receive a confirmation email that provides additional course details.

## 70 Hours Online Continuous Enrolment

**1** 2026S CEEL 159 101  
**January 5 - August 3, 2026**  
Online Asynchronous  
Registration recommended by  
Tuesday, December 23, 2025.

**2** 2026S CEEL 159 102  
**February 1 - August 30, 2026**  
Online Asynchronous  
Registration recommended by  
Friday, January 16, 2026.

Please register before the recommended date as courses under-enrolled as of this date may be canceled. Registrations after this date will be accepted if space is available.

### Did you know?

Almost all BC Hydro employees are required to take this course. If you are planning on working at BC Hydro, and you have other employment prerequisites, this course could be an asset.

## Ready to Register?

Request for [Registration](#)  
and/or [Sponsor an Employee Form](#)

### FOR MORE INFORMATION:

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