



# 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 enrollment

- 1 2023F CEEL 159 101 (Fall)
- 2 2024S CEEL 159 101 (Spring)
- 3 2024I CEEL 159 101 (Summer)

Please register before the recommended date as courses under-enrolled as of this date may be cancelled. 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 have the other employment prerequisites, this course could be an asset.

## Ready to Register?

Request for Registration Online Form; and/or  
Sponsor an Employee Form

### FOR MORE INFORMATION:

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