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# PDEC 540

## Distribution Transformers – Grounding and Protection

Siemens Power Academy TD - NA • [usa.siemens.com/pti-education](https://usa.siemens.com/pti-education)

### At a glance

In order to successfully deploy a smarter grid, it is essential to understand the fundamentals of what exists in today's system. The **Distribution Transformers – Grounding and Protection** course discusses the practical aspects of transformer applications. This course is designed for electric utility engineers and technicians involved in distribution planning, engineering, standards, protection and operation of the distribution system. It is also valuable to engineers involved in consulting and the design of industrial and commercial power systems.

PDEC 540 course participants will gain a better understanding of the power distribution system including:

- A detailed technical look into multiple transformer configurations
- Distribution grounding practices and their applications under both normal and faulted conditions
- Distribution protection and protection system design

Upon completion of this course, participants will have a better understanding of the important aspects and contemporary applications of **Distribution Transformers – Grounding and Protection**.

### Prerequisites

The course requires no specialized background in distribution engineering, but does presume a general understanding of the distribution system.

### Course structure

This is a three-day course. Material is presented in both morning and afternoon sessions for a total of six hours of daily instruction. Standard course hours are 9:00 a.m. to 4:00 p.m. each day.

### To view the PDEC 540 Course Schedule on the web:

[https://siemens.coursewebs.com/cart/pageCourseInfo.aspx?Course\\_ID=PDEC\\_540](https://siemens.coursewebs.com/cart/pageCourseInfo.aspx?Course_ID=PDEC_540)

## Instructors

All courses offered through Siemens Power Academy are developed and taught by leading industry engineers. In addition to their proven instructional ability, our engineers have advanced degrees complemented by first-hand knowledge and experience solving power system problems throughout the world.

## Continuing Education Units (CEUs), Professional Development Hours (PDHs):

Licensed engineers, on a voluntary or mandated basis, attend continuing professional education for licensure renewal to ensure competency. All courses offered through Siemens

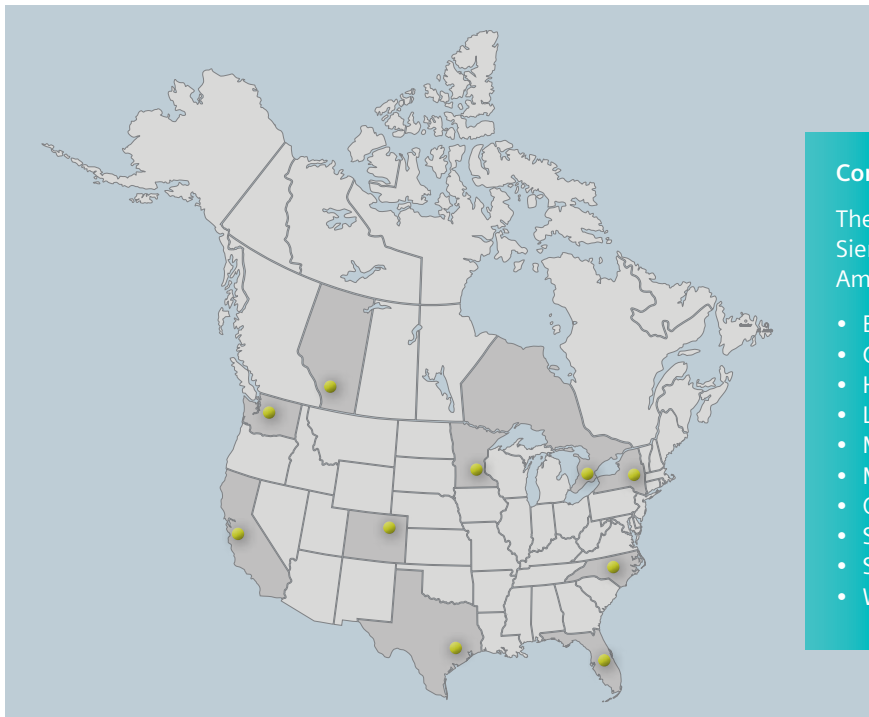
Power Academy meet the requirements for CEUs and PDHs.

- Continuing Education Units (CEUs) are the nationally recognized units for recording participation in professional development and noncredit educational programs. Participants completing this course will be awarded CEUs based on the instructional hours of the course: one CEU is awarded for 10 classroom hours of instruction.
- Professional Development Hours (PDHs) – Continuing education training for the Professional Engineer (PE) – that needs to earn annual Professional Development Hours

(PDHs). Through our instructor-led training, participants earn one PDH for each one hour of instruction. The participant is responsible for maintaining records of courses taken in support of licensure.

## Client site and custom training

All courses are available for presentation at any client's location by special arrangement. At client sites, it is recommended that sufficient computer terminals be available to enable a fully interactive and productive class, if applicable. Client site courses can also be tailored to address specific topics of local importance.



## Convenient training locations

The course is scheduled on a regular basis at Siemens offices located throughout North America, including:

- Burlington, Ontario, Canada
- Calgary, Alberta, Canada
- Houston, Texas, USA
- Littleton, Colorado, USA
- Minnetonka, Minnesota, USA
- Mountain View, California, USA
- Orlando, Florida, USA
- Schenectady, New York, USA
- Seattle, Washington, USA
- Wendell, North Carolina, USA

## Contact us

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