



# SIEMENS

*Ingenuity for life*

## PSSC 600

### PSS®E and Python® Integrating Workflow – (Part 1 Intro)

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

#### At a glance

In the **PSS®E and Python® Integrating Workflow (Part 1 – Intro)** course participants will learn the basics of the Python language and how to automate PSS®E using the Python APIs.

In **PSSC 600** participants will:

- Gain a good understanding of the basics of the Python language
- Learn to define Python variables, functions, and modules
- Learn how to run PSS®E from an Integrated Development Environment (IDE) outside of the PSS®E user interface
- Become familiar with the most popular PSS®E Application Programming Interfaces (APIs)
- Practice creating useful scripts, such as looping through network elements in a system to make data changes

- Explore the Python tools available in PSS®E, and learn how to incorporate third-party Python libraries
- Learn how to export PSS®E data and activity results to other programs, such as Microsoft® Excel.

Upon completing this course, participants who have little or no experience with Python will have the tools they need to start writing Python programs and driving PSS®E from Python. Participants with stronger programming and PSS®E skills will be able to make their processes more powerful and efficient.

#### Prerequisites

Participants must be employees of a company that is a current lessee of PSS®E. It is recommended that participants are comfortable with basic programming topics in at least one programming language, but prior

programming language is not required for this course. It is also recommended that participants have a basic knowledge of PSS®E program operation before taking this course.

#### 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 PSSC 600 Course Schedule on the web:**

[https://siemens.coursewebs.com/cart/pageCourseInfo.aspx?Course\\_ID=PSSC\\_600](https://siemens.coursewebs.com/cart/pageCourseInfo.aspx?Course_ID=PSSC_600)

## 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

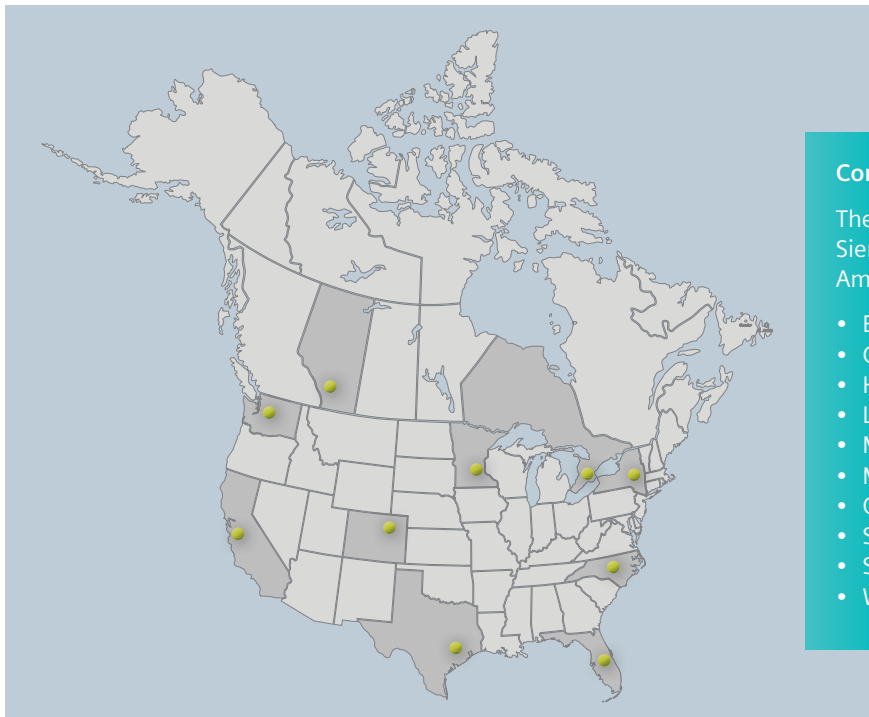
Power Academy meet the requirements for CEUs and PDHs.

- 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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