Training for the Future

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Everyone has heard the warnings about the aging workforce in the utility industry. The question is...What are you doing to plan for the future? The number of experienced engineers is shrinking every year and those remaining in the industry are left to carry the load. We need to think outside the box and figure out how to build the next generation by grooming them so that they can step in and do the work.

One of the key elements in creating successful engineers is training. Siemens Power Academy TD has been successfully training power engineers domestically and internationally for over 38 years. We are recognized as a world leader for training in the electric power industry. With our large training portfolio, the Power Academy can be your partner for employee development:

**Standard classroom instruction** – More than 80 classes scheduled each year. The current listing of courses can be found online at [www.usa.siemens.com/energy/pti-education](http://www.usa.siemens.com/energy/pti-education).

**On-site and hosted training programs** – Bring a course to your company. Engineers receive expert instruction tailored for their needs without leaving your facility. Furthermore, you can host a training course at our site and open it to other companies in return for a discounted price.

**Web-based training (WBT)** – Siemens PTI can set up live audio and web-based training for a 1-4 hour session for your company on a specific topic. For example, “What’s New in PSS™E”, one of the popular WBT courses, brings your employees up-to-speed on specific pieces of this powerful product in a short period of time.

**e-Learning** – Training is delivered on-line. Course offerings include training for NERC power system operators and PSS™E software.

**Extended courses** – Focused curriculums developed around a specific area of engineering. Training starts with the fundamentals and then continues through to the daily application of the knowledge.

- Power Technology Course: A two-year course of study in the latest engineering advances in methodology, equipment, system operation and control, and computer use.
- Power Engineering and Technology: A five-week course of study to establish a fundamental theoretical working knowledge of generation, transmission, and distribution topics and the inter-relationships that bind them into a coordinated power system.
- Distribution System Engineering Course: An 18-month course of study focusing primarily on distribution design concepts, protection, equipment application, economic considerations, reliability, environmental issues, and operating practices being used on today’s distribution system network.
- Power Distribution System Engineering: Participants in this 3-5 week program will improve their knowledge of planning methods, examine new technologies and trends to increase system efficiency and reduce costs, and broaden their technical skills needed to succeed in today’s competitive utility environment.
- Power System Transmission Planning and Analysis: A five-week course of study to develop expertise in transmission system planning and analysis using PSS™E.
College credit – In cooperation with Manhattan College, the Power Technology Course qualifies for 9 credits towards a Masters of Science in Electrical Engineering or Masters of Science in Mechanical Engineering with a Power Technology concentration. The Distribution System Engineering Course qualifies for 6 credits towards a Masters of Science in Electrical Engineering.

There is a Chinese proverb that states, "Learning is a treasure that will follow its owner everywhere." Let the Power Academy help you increase your value and plan your path for success.