

Power Systems Engineering

Specialized Certificate

Learn the fundamentals of Electrical Power Systems. This program will explore the generation, distribution and management of the parts of the power grid with operational principles of existing and renewable sources and their control elements. You will gain substantial knowledge in the building blocks of the power system and its control management. Upon program completion, you will be able to speak the language and perform substantial tasks within the electric grid and power system network of professionals.

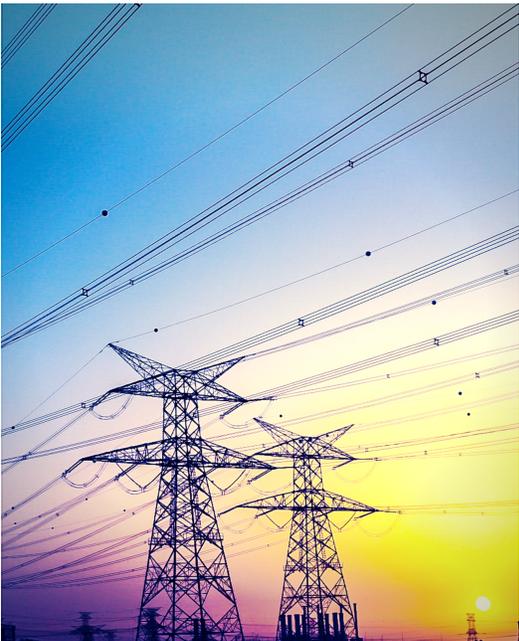
Benefits:

Become sufficiently grounded in theoretical concepts regarding:

- Power Generation and Transmission
- Power Electronics
- Energy Storage
- Utility Communications
- Protection and Safety

Courses:

- Fundamentals of Electric Power
- Electrical Energy Storage
- Power Electronics
- Power Systems Analysis and Control
- *Elective options in:*
- Distributed Renewable Energy Resources
- Microgrid Design, Economic Optimization and Simulation



Acquire the knowledge necessary to work as a Power Systems Engineer.

**PROGRAM
OFFERED
YEAR
ROUND**

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