

El E 451: Electrical Energy Conversion

[Electrical and Computer Engineering](#)

Basic principles of electrical energy conversion; fundamentals of electromechanical devices and applications. DC and AC motors and generators. Transformers and electric power transmission.

3 Credits

Prerequisites

- [El E 331: Signals and Systems](#)
- [Engr 360: Electric Circuit Theory](#)
- Pre-Requisite: 24 Earned Hours

One-way corequisites

- [El E 341: Theory of Fields](#)

Instruction Type(s)

- Lecture: Lecture for El E 451

Subject Areas

- [Electrical and Electronics Engineering](#)

Related Areas

- [Electrical, Electronics and Communications Engineering, Other](#)
- [Laser and Optical Engineering](#)
- [Telecommunications Engineering](#)

