

# Area Courses

## Electric Power Systems

### Fundamental Courses

**EE 443** Introduction to Power Systems  
 4 units

**EE 444** Power Systems Technology  
 4 units

**EE 521** Power System Analysis and Design  
 4 units EE 443

**SAE 515** Sustainable Infrastructure Systems  
 4 units

### Transmission, Distribution, and Planning

**EE 525** Power System Protection  
 4 units EE 443

**EE 526** Renewable Energy in Power Systems  
 4 units

### High-Voltage Equipment and Design

**EE 516** High-Voltage DC Transmission Systems  
 4 units EE 443

**EE 528** Power Electronics  
 4 units EE 443

### Power-System Control and the Smart Grid

**EE 482** Linear Control Systems  
 4 units

**EE 527** Net-Centric Power-System Control  
 4 units EE 482, EE510  
 EE 585, 593, 562 or 512

**EE 543** Digital Control Systems  
 4 units EE 482

**EE 585** Linear System Theory  
 4 units EE 451 or EE 510

**EE 593** Robust Multivariable Control  
 4 units EE 482  
 EE 587 EE 585

### Legend

#### Grouping

EE 000 Course Title

Course Units

Recommended Prep.

Prerequisite Courses

Corequisite Courses

This chart shows course relationships

Please check the University Catalogue for specific course details including any recommended preparatory courses and Degree Requirements