# POWER CONCENTRATION

**EE 406**  Power Systems Analysis I  4

*or EE 410  Power Electronics I*

## Approved Electives

Select from the following:  9

- **IME 314**  Engineering Economics
- **IME 315**  Financial Decision Making for Engineers
- **MATE 210**  Materials Engineering
- **MATE 340**  Electronic Materials Systems
- **MATH 248**  Methods of Proof in Mathematics
- **MATH 304**  Vector Analysis
- **MATH 306**  Linear Algebra II
- **MATH 451**  Numerical Analysis I
- **ME 211**  Engineering Statics
- **ME 212**  Engineering Dynamics
- **ME 302**  Thermodynamics I
- **PHYS 310**  Physics of Energy

## Technical Electives

Select from the following:  7

- **EE 406**  Power Systems Analysis I
- **EE 407**  Power Systems Analysis II
- **EE 410**  Power Electronics I
- **EE 411**  Power Electronics II
- **EE 417**  Alternating Current Machines
- **EE 420**  Sustainable Electric Energy Conversion
- **EE 432**  Digital Control Systems
- **EE 433**  Introduction to Magnetic Design
- **EE 434**  Automotive Engineering for a Sustainable Future
- **EE 435**  Industrial Power Control and Automation
- **EE 444**  Power Systems Laboratory
- **EE 472**  Digital Control Systems Laboratory
- **EE 509**  Computational Intelligence
- **EE 511**  Electric Machines Theory
- **EE 513**  Control Systems Theory
- **EE 514**  Advanced Topics in Automatic Control
- **EE 518**  Power System Protection
- **EE 519**  Advanced Analysis of Power Systems
- **EE 520**  Advanced Solar-Photovoltaic Systems Design
- **EE 527**  Advanced Topics in Power Electronics
- **MATH 453**  Numerical Optimization

**Total units**  20