Area Courses
Controls

**Fundamental Courses**
- EE 441 Applied Linear Algebra for Engineering
- EE 482 Linear Control Systems
- EE 503 Probability for Electrical and Computer Engineers
- EE 543L Digital Control Systems
- EE 585 Linear System Theory

**Robust Multivariable and Nonlinear Control**
- EE 587 Nonlinear and Adaptive Control
  - EE 482, EE 585
- EE 593 Multivariable Control
  - EE 482, EE 585

**Network Control and Optimization**
- EE 553 Computational Solution of Optimization Problems
  - EE 441
- EE 649 Stochastic Network Optimization
  - EE 503

**Cyber-Physical and Complex Systems**
- EE 520 Introduction to Quantum Information Processing
- EE 527 Net-Centric Power-System Control
  - EE 521
- EE 539 Engineering Quantum Mechanics
- EE 652 Low-Power Wireless Networks
  - EE 450

**Mathematical Foundations**
- EE 512 Stochastic Processes
  - EE 441, EE 503
- EE 562 Random Processes in Engineering
  - EE 441, EE 503

**Financial Engineering**
- EE 518 Mathematics and Tools for Financial Engineering
- EE 556 Stochastic Systems
  - EE 503

**Legend**

- Grouping
  - EE 000 Course Title
  - 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.