# Area Courses
## Computer Networks

### Fundamental Courses
- **CSCI 402** Operating Systems
  - 4 units
  - CSCI 455x
- **EE 450** Introduction to Computer Networks
  - 4 units
- **EE 457** Computer Systems Organization
  - 4 units
- **EE 467** Introduction to Communication Systems
  - 3 units
- **EE 503** Probability for Electrical and Computer Engineers
  - 4 units

### Algorithms and Theory
- **EE 511** Simulation Methods for Stochastic Systems
  - 1 unit
  - EE 503
- **CSCI 570** Analysis of Algorithms
  - 4 units
- **EE 597** Wireless Networks
  - 4 units
  - EE 467
- **EE 649** Stochastic Network Optimization
  - 3 units
  - EE 503
- **EE 503** Probability for Electrical and Computer Engineers
  - 4 units
  - EE 450, EE 503
- **EE 550** Data Networks: Design and Analysis
  - 4 units
  - EE 450, EE 503
- **EE 555** Broadband Network Architectures
  - 4 units
  - EE 450, EE 503
- **EE 579** Wireless and Mobile Networks Design and Laboratory
  - 3 units
  - EE 550 or EE 555 or CSCI 551
- **EE 650** Advanced Topics in Computer Networks
  - 3 units
  - EE 450, EE 503

### Protocols and Systems
- **EE 542** Internet and Cloud Computing
  - 3 units
  - EE 450 or EE 457
- **CSCI 551** Computer Communications
  - 4 units
  - CSCI 402, EE 450
- **EE 555** Broadband Network Architectures
  - 4 units
  - EE 450, EE 503
- **CSCI 558L** Internetworking and Distributed Systems Laboratory
  - 3 units
  - CSCI 402, EE 450
  - CSCI 551, CSCI 555L
- **EE 579** Wireless and Mobile Networks Design and Laboratory
  - 3 units
  - EE 550 or EE 555 or CSCI 551
- **EE 652** Low-Power Wireless Networks
  - 3 units
  - CSCI 402
  - EE 450

### Physical Layer Communications
- **EE 535** Mobile Communications
  - 4 units
  - EE 511
  - EE 503
- **EE 635** Advanced Wireless Communications
  - 3 units
  - EE 535

### Hardware
- **EE 533** Network Processor Design and Programming
  - 3 units
  - EE 450
  - EE 457

### Physical Layer Communications
- **EE 535** Mobile Communications
  - 4 units
  - EE 511
  - EE 503
- **EE 635** Advanced Wireless Communications
  - 3 units
  - EE 535

### Legend
- **Grouping**
  - EE 000 Course Title
  - Course Units
  - Recommended Prep.
  - Prerequisite Courses
  - Corequisite Courses

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This chart shows course relationships. Please check the University Catalogue for specific course details including any recommended preparatory courses and Degree Requirements.