# Area Courses
## Communications

### Fundamental Courses
- **EE 441** Applied Linear Algebra for Engineering
- **EE 450** Introduction to Computer Networks
- **EE 503** Probability for Electrical and Computer Engineers
- **EE 511** Simulation Methods for Stochastic Systems

### Wireless Communications
- **EE 535** Mobile Communications
  - **EE 503**
- **EE 565** Advanced Wireless Communications
  - **EE 535**

### Communication Theory and Coding
- **EE 564** Communication Theory
  - **EE 441, EE 503**
- **EE 565** Information Theory
  - **EE 503**
- **EE 567** Communication Systems
  - **EE 503**
- **EE 664** Advanced Topics in Communication Theory
  - **EE 564**

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

### Networking
- **EE 550** Design and Analysis of Computer Communication Networks
  - **EE 450, EE 503**
- **EE 555** Broadband Network Architectures
  - **EE 450, EE 503**
- **EE 558** Optical Fiber Communication Systems
- **EE 579** Wireless and Mobile Networks Design and Laboratory
  - **EE 550 or EE 555**
- **EE 597** Wireless Networks
  - **EE 450, EE 503**
- **EE 650** Advanced Topics in Computer Networks
  - **EE 450, EE 503**

### Legend

<table>
<thead>
<tr>
<th>Grouping</th>
<th>EE 000 Course Title</th>
<th>Prerequisite Courses</th>
<th>Corequisite Courses</th>
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</thead>
</table>

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