

# Area Courses

## Computer Architecture

### Fundamental Courses

<b>EE 450</b> Introduction to Computer Networks 4 units
<b>EE 451</b> Parallel and Distributed Computation 4 units
<b>EE 457</b> Computer Systems Organization 4 units
<b>EE 477L</b> MOS VLSI Circuit Design 4 units
<b>EE 503</b> Probability for Electrical and Computer Engineers 4 units

### Systems

<b>EE 554</b> Cyber-Physical Systems: A Computing Perspective 4 units	<b>EE 557</b> Computer Systems Architecture 4 units <span style="float: right;">EE 457</span>
<b>EE 560L</b> Digital Systems Design 4 units <span style="float: right;">EE 457</span>	<b>EE 653</b> Advanced Topics in Microarchitecture 3 units <span style="float: right;">EE 557</span>

### Parallel and Concurrent Computing

<b>EE 532</b> Wireless Internet and Pervasive Computing 3 units <span style="float: right;">EE 450</span> <small>EE 457</small>	<b>EE 533</b> Network Processor Design and Programming 4 units <span style="float: right;">EE 457</span> <small>EE 450</small>
<b>EE 542</b> Internet and Cloud Computing 4 units <span style="float: right;">EE 450</span> <small>EE 457</small>	<b>EE 595</b> Software Design and Optimization 4 units
<b>EE 657</b> Parallel and Distributed Computing 3 units <span style="float: right;">EE 557</span> <small>EE 450</small>	<b>EE 659</b> Advanced Topics in Interconnection Network Design and Analysis 4 units <span style="float: right;">EE 557</span> <small>EE 450, 451, 452, or 455</small>
<b>EE 677</b> Accelerated Computing using Field Programmable Gate Arrays 2 units <span style="float: right;">EE 451</span> <small>EE 457</small>	

### Legend

#### Grouping

EE 000 Course Title	
Course Units	Prerequisite Courses
Recommended Prep.	Corequisite Courses

**This chart shows course relationships**

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