

# Area Courses

## Mixed-Signal Integrated Circuits

### Fundamental Courses

**EE 448L** Communication Electronics

4 units

**EE 477L** MOS VLSI Circuit Design

4 units

**EE 479** Analog Integrated Circuit Design

4 units

### Mixed-Signal

**EE 505** Analog, Mixed-Signal, and RF Integrated-Circuit Tape-Out

3 units

EE 536a

**EE 536ab** Mixed-Signal Integrated Circuit Design

4 units

EE 448L or EE 479

**EE 632** Integrated Communication Systems

4 units

EE 479

### VLSI

**EE 577ab** VLSI System Design

3 units

EE 477L

### Devices and Processes

**EE 504L** Solid-State Processing and Integrated Circuits Laboratory

3 units

**EE 507** Micro- and Nano-Fabrication Technology

3 units

**EE 508** Nano-Fabrication Lithography

3 units

**EE 537** Modern Solid-State Devices

4 units

**EE 549** Nanotechnology for Materials, Electronics, and Circuits

4 units

**EE 576** Integrated Memory Devices and Technologies

3 units

**EE 582** CMOS: Nano Neuromorphic Circuits

4 units

EE 447L or EE 479

**EE 607** Microelectromechanical Systems

3 units

**EE 637L** Current and Future Computing Devices and Technology

4 units

EE 537

### Legend

#### Grouping

EE 000 Course Title

Course Units

Recommended Prep.

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