

# Area Courses

## Analog, Mixed-Signal, and Radiofrequency Integrated Circuits

### Fundamental Courses

**EE 448L** Communication Electronics

4 units

**EE 477L** MOS VLSI Circuit Design

4 units

### Mixed-Signal

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

4 units

EE 536a

**EE 536ab** Analog Integrated Circuits

4 a:4 units, b:4 units

b: EE 536a

**EE 631** Mixed-Signal Integrated Circuits

4 units

EE 536a

**EE 632ab** Integrated Communication Systems

a:4 units, b:4 units

b: EE 632

### VLSI

**EE 577ab** VLSI System Design

a:4 units, b:4 units

a: EE 477L, b: EE 577a

### Devices and Processes

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

4 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

4 units

**EE 582** CMOS: Nano Neuromorphic Circuits

4 units

EE 477L

**EE 601** Advanced Semiconductor Device Physics

4 units

EE 471 or EE 539

**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