# 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
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  - 4 units

## Mixed-Signal
- **EE 505** Analog, Mixed-Signal, and RF
  - Integrated-Circuit Tape-Out
  - 3 units
- **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
- **EE 000** Course Title
- **Course Units**
- **Prerequisite Courses**
- **Recommended Prep.**
- **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.