Area Courses
VLSI/CAD

Fundamental Courses

EE 448L Communication Electronics

EE 454L Introduction to System-on-Chip

EE 457 Computer Systems Organization

EE 477L MOS VLSI Circuit Design

EE 479 Analog Integrated Circuit Design

CSCI 455x Introduction to Programming Systems Design

VLSI/CAD

EE 552 Asynchronus VLSI Design

EE 477L

EE 560L Digital System Design

EE 457

EE 580 System Verification

EE 457, EE 477L

EE 581 Mathematical Foundations for System Design: Modeling, Analysis, and Synthesis

EE 658 Diagnosis and Design of Reliable Digital Systems

EE 680 Computer-Aided Design of Digital Systems I

EE 581

EE 577a

EE 681 Computer-Aided Design of Digital Systems II

EE 557, EE 680

Circuits and Devices

EE 504L Solid-State Processing and Integrated Circuits Laboratory

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

EE 536a

EE 508 Nano-Fabrication Lithography

EE 536ab Mixed-Signal Integrated Circuit Design

EE 448L or EE 479

EE 537 Modern Solid-State Devices

EE 582 CMOS: Nano Neuromorphic Circuits

EE 477L or EE 479

EE 632 Integrated Communication Systems

EE 479

Computer Systems

EE 557 Computer Systems Architecture

EE 457

CSCI 570 Analysis of Algorithms

EE 577ab VLSI System Design

EE 477L

EE 659 Interconnection Networks

EE 557

EE 677 VLSI Architecture and Algorithms

EE 457, CSCI 570

Legend

Grouping

EE 000 Course Title

Prerequisite Courses
Recommended Prep.   Corequisite Courses

This chart shows course relationships

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