

Area Courses

Computer Architecture

Legend

Grouping

EE 000 Course Title

Course Units

Recommended Prep.

Prerequisite Courses

Corequisite Courses

Fundamental Courses

EE 450 Foundations of Computer Networks

4 units

EE 451 Parallel and Distributed Computation

4 units

EE 457 Computer Systems Organization

4 units

EE 477L MOS VLSI Circuit Design

4 units

EE 503 Probability for Electrical and Computer Engineers

4 units

EE 680 Computer-Aided Design of Digital Systems

4 units

EE 455X, 477L, 577a, CSCI 570

Systems

EE 504L Solid-State Processing and Integrated Circuits Laboratory

4 units

EE 507

EE 508 Hardware Foundations of Machine Learning

4 units

EE 451, EE 457

EE 511 Machine Learning Hardware Accelerators

4 units

EE 457, EE 477L

EE 554 Cyber-Physical Systems: A Computing Perspective

4 units

EE 557 Computer Systems Architecture

4 units

EE 457

EE 560L Digital Systems Design

4 units

EE 457

EE 653 Advanced Topics in Microarchitecture

3 units

EE 557

Parallel and Concurrent Computing

EE 533 Network Processor Design and Programming

4 units

EE 450

EE 457

EE 542 Internet and Cloud Computing

4 units

EE 457

EE 450

EE 568 Parallel Programming

4 units

EE 451, EE 455X, EE 457

EE 595 Software Design and Optimization

4 units

EE 659 Advanced Topics in Interconnection Network Design and Analysis

4 units

EE 450, 451, 455X, or 542

EE 557

EE 677 Accelerated Computing using Field Programmable Gate Arrays

2 units

EE 457

EE 451

This chart shows course relationships

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