COURSES OFFERED

- ECE 5410: Semiconductor Devices
- ECE 5530: Digital System Design
- ECE 5630: Introduction to Digital Signal Processing
- ECE 5660: Communication Systems I
- ECE 5720: Computer Systems Programming and Architecture
- ECE 5750: High-Performance Microprocessor Architecture
- ECE 5800: Electromagnetics II
- ECE 6010: Stochastic Processes in Electronic Systems
- ECE 6030: Math Methods for Signals and Systems
- ECE 6240: Space Environment Engineering
- ECE 6320: Linear Multivariable Control
- ECE 5460/6460: Digital VLSI System Design I
- ECE 5470/6470: Digital VLSI System Design II
- ECE 6800: Electrical Engineering Colloquium
- ECE 7030: Detection and Estimation Theory
- ECE 7670: Coding Theory and Practice in Communication
- ECE 7720: Parallel Computer Architecture

LEARNING OPTIONS

Courses are offered in one or more of the following formats. See the distance education website or visit with your advisor for a complete list of options available to you:

- Hybrid courses are typically delivered using online and interactive broadcast technologies. Most are only available in certain locations and at set times.
The Master of Engineering (ME) program is designed primarily for practicing engineers. The ME degree is based on coursework that provides depth beyond the bachelor’s degree and a breadth of topics to give graduates a strong, practical education.

**Did you Know...**

Advanced degrees are in high demand by both Fortune 500s and start-up companies. Obtaining a master’s degree will increase your salary by an average of $10,000 annually.

**Electrical/Computer Engineering**

The Master of Engineering (ME) program is designed primarily for practicing engineers. The ME degree is based on coursework that provides depth beyond the bachelor’s degree and a breadth of topics to give graduates a strong, practical education.

**Degree Requirements**

- At least 18 credits of ECE coursework must be completed at or above the 5000 level.
- At least one ECE depth course (having a graduate-level prerequisite) is required.
- At least 15 credits of 6000-level or above coursework (excluding ECE 6800) are required.
- At least 3 credits of professional experience (ECE 6250 internship or a lab-intensive course) are required. Up to 3 credits of ECE 6250 internship are allowed.
- A maximum of 12 credits outside of the Electrical and Computer Engineering Department may be allowed, based upon a comprehensive academic plan. Courses must be approved by the Master of Engineering advisor.

> You don’t understand anything until you learn it more than one way.”
- Marvin Minsky
  American Electrical Engineer

**Admissions Information**

Students must be admitted to the USU School of Graduate Studies. For current enrollment criteria and an online application, visit rgs.usu.edu/gradguide/htm/apply.

**General admissions requirements include:**

- Bachelor’s degree in electrical or computer engineering from an ABET-accredited institution
- Minimum 3.0 GPA
- Official transcript of all university/college coursework
- GRE exam scores (40th percentile minimum) - general test required, not the subject test
- Three letters of recommendation
- Students are expected to have a working knowledge of a high-level computer language (preferably C or C++)

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Engineers desiring to take graduate classes without the intent of pursuing the ME degree can be enrolled as nonmatriculated students without taking the GRE. If, at a later time, they desire to apply for the ME degree, a maximum of 12 credits earned as a nonmatriculated student can be used for the master’s degree. Nonmatriculated students must have a bachelor’s degree in electrical or computer engineering from an ABET-accredited program with a 3.0 GPA or better.