DEPARTMENT OF Electrical and Computer Engineering

Earn your MS Degree in ECE Online

The Online Master's Degree in Electrical and Computer Engineering is a fully online degree offered through the ECE Department and the Outreach College of The University of Arizona. The degree program provides a strong academic foundation in the principles of Electrical and Computer Engineering and is designed as a continuing educational mechanism to meet the working professional's schedule needs.

ECE offers a steadfast commitment to solving society's grand challenges which puts ECE at the forefront of technological advancement. Consistently ranked among the top 40 electrical and computer engineering departments by U.S. News & World Report, The University of Arizona Electrical and Computer Engineering Department has for more than a century provided excellence in teaching and research. The department's academic programs and collaborative research projects are critical to Arizona's position as a leading center for high-technology industry and to meeting the nation's need for the development and application of electronic and computer-based technology.

ECE Department focus areas include: Autonomic Robotic Space Exploration; Biomedical Technologies; Coding and Compression; High-Performance Computing; Optical Imaging Systems and Signal and Image Processing; Microwave to Optical Metamaterials; Simulation Modeling and Heterogeneous Systems Design; Wireless Communications and Networks.

The degree program requires 30 units of study.

Applying to ECE’s Program:

♦ Application Dates to the program are flexible.
♦ Please contact Tami Whelan to expedite your application.
♦ Assistance and more information may be obtained from:
  Tami Whelan
  Office: ECE 263
  Phone: (520) 621-6195
  Email: gradadvisor@ece.arizona.edu

ECE Department: http://www.ece.arizona.edu/graduate-students
UA Outreach College: http://www.outreachcollege.arizona.edu/
TO APPLY: https://apply.grad.arizona.edu/users/login

www.ece.arizona.edu | 520.621.6193

Courses (Tentative)

Fall 2013
ECE 501b: Advanced Linear Systems Theory
ECE 503: Probability and Random Processes for Engineering Applications
ECE 564: Advanced Computer Networks
ECE 562: Computer Architecture and Design

Spring 2014
ECE 535: Digital Communications
ECE 529: Digital Signal Processing
ECE 639: Detection and Estimation
ECE 506: Reconfigurable Computing
ECE 566: Knowledge-System Engineering
ECE 573: Software Engineering Concepts

Fall 2014
ECE 501b: Advanced Linear Systems Theory
ECE 503: Probability and Random Processes for Engineering Applications
ECE 541a: Automatic Control Systems
ECE 578: Fundamentals of Computer Networks
ECE 579: Principles of Artificial Intelligence
ECE 505: Model Integrated Computing

Spring 2015
ECE 535: Digital Communications
ECE 529: Digital Signal Processing
ECE 636: Information Theory
ECE 566: Knowledge-System Engineering
ECE 573: Software Engineering Concepts
ECE 509: Cyber-security Concept, Theory, Practice

Fall 2015
ECE 501b: Advanced Linear Systems Theory
ECE 503: Probability and Random Processes for Engineering Applications
ECE 541a: Automatic Control Systems
ECE 578: Fundamentals of Computer Networks
ECE 579: Artificial Intelligence
ECE 564: Advanced Computer Networks
ECE 505: Model Integrated Computing

Spring 2016
ECE 535: Digital Communications
ECE 529: Digital Signal Processing
ECE 639: Detection and Estimation
ECE 506: Reconfigurable Computing
ECE 566: Knowledge-System Engineering
ECE 573: Software Engineering Concepts