

Electrical and Computer Engineering

Chair and Professor: Chiu

Professors: None

Associate Professors: Ellis, Kantabutra

Assistant Professors: Chrysler, Fouda

Visiting Professor: Baldwin

Emeritus Professor: Stuffle

Program Description	Type	Degree
Master of Science in Electrical and Computer Engineering (http://coursecat.isu.edu/graduate/scienceengineering/electrical-and-computer-engineering/msece/)	Degree	M.S.
Master of Science in Measurement and Control Engineering (http://coursecat.isu.edu/graduate/scienceengineering/electrical-and-computer-engineering/msmeasurementcontrol/)	Degree	M.S.

Master of Science in Measurement and Control Engineering

The master's degree program in Measurement and Control Engineering is designed to provide advanced study (analytically, computationally, and experimentally) in measurements, modeling, simulation, robotics, and adaptive, intelligent, nonlinear, optimal, and robust control. This program prepares the student for advanced placement in the measurement and control engineering field in industry, research, or development areas. Additionally, this program provides a suitable base for entrance into a doctoral program in a field related to electrical or mechanical engineering. The program is offered both at the Pocatello and the Idaho Falls campuses, primarily through the use of telecommunications/distance learning, which includes partial in-class instruction.

Goals

- Enhance the knowledge of graduates in advanced concepts of measurement, control, signal processing, engineering mathematics, computation, and other related areas.
- Increase the ability of graduates to synthesize and apply these advanced concepts to develop realistic measurement and control engineering designs and to solve identified problems, designing strategies for implementing them safely, ethically, and effectively.
- Enhance the ability of graduates to effectively communicate these concepts both in oral and written formats.