Program Overview

The Master of Science in Electrical Engineering (MSEE) degree program at Georgia Southern integrates state-of-the-art technology and interdisciplinary and conceptual science with hands-on, operational skills training. Graduates gain valuable knowledge and are placed in a unique position to make an immediate impact on their career and their employers.

Why Master of Science in Electrical Engineering?

The demand for applications-oriented engineering managers and professionals has grown rapidly. The MSEE program is designed to meet this global need for engineers who possess leadership skills but also applications experience in consumer, commercial and industrial fields. MSEE graduates are innovators prepared to become responsible, strategic leaders and exceptional engineering professionals.

Courses include analytical math and experimental research in areas such as autonomous systems, optical communications, wireless power, small antennas and energy harvesting.

The program serves both the full-time students preparing for a career in Electrical Engineering, as well as currently employed Electrical Engineering professionals seeking an advanced education to augment their existing skills and background.

MSEE Curriculum

Objectives

The electrical engineering program at Georgia Southern will enable its graduates to:

✓ Be successful in their engineering careers and/or pursue graduate studies in related fields.

✓ Extend the knowledge of its graduates with study concentrations that emphasize cognitive, attitudinal, and performance-based information and skills required for intellectual leadership, original research and scholarship.

✓ Expand the intellectual breadth of graduates in the application of their engineering skills and in the depth of advanced specializations necessary for professional careers and advancement within the fields of electrical engineering.

✓ Be responsive to change and ventures beyond the existing boundaries of knowledge in a highly scientific and technological society.
Regular Admission Requirements

1. Completed requirements for the Bachelor's degree at a college or university accredited by the proper regional accrediting association.

2. An undergraduate degree or the equivalent in the proposed or closely related field of study.

3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.

4. International students must meet College of Graduate Studies English Proficiency requirements.

5. The Master of Science in Electrical Engineering program requires: a) a bachelor's degree in electrical engineering, computer engineering, or related field; or b) permission of the Graduate Program Director.

*International transcripts must be evaluated by a NACES accredited evaluation service (www.naces.org)

Provisional Admission:
A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Graduation Requirements

- A minimum of 30 hours is required for graduation.
- The requirements of the electrical engineering program must be satisfied. MSEE Curriculum
- A minimum of 50% of courses for the Master of Science in Electrical Engineering degree must be taken at or above 6000 level.

Graduate Assistantship Process

You have to finish MSEE application with required documents (See Program Application for required documents: http://cogs.georgiasouthern.edu/admission/). Then your application will be evaluated whether you will be accepted or rejected. Once you get admission, please apply for assistantship (Grad AssistantshipApplication: http://cogs.georgiasouthern.edu/new-current-students/graduate-assistantships-information/) if you are interested in. Then you will be evaluated again for assistantship.

STUDENT LEARNING OUTCOMES

The followings are the student learning outcomes (SLOs) that MSEE students are expected to possess upon
Student Learning Outcome #1: Problem Solving Skill
➢ Graduates of the MSEE program will formulate an electrical engineering research topic as a hypothesis, a demonstration of or extension to an existing theory or practice.

Student Learning Outcome #2: Inquiry Skill
➢ Graduates of the MSEE program will:
   a) Identify the accepted set, or invent a new set of assessment criteria regarding the research topic; and
   b) Develop metrics appropriate to differentiate alternative theories or practices per the assessment criteria.

Student Learning Outcome #3: Applied Skill
➢ Graduates of the MSEE program will:
   a) Design and execute experiments to test the chosen research hypothesis and measure results; and
   b) Document and interpret experimental results, compare results versus assessment criteria and established alternatives; and
   c) Generate a conclusion regarding the research in relation to the criteria and plan extensions or changes to enhance results or address limitations.

Student Learning Outcome #4: Communication Skill
➢ Graduates of the MSEE program will:
   a) Present research in the written form prescribed by the university or recognized professional organization; and
   b) Orally present research activity results to academic and/or professional peers and other experts.

For more information contact:
Sungkyun Lim, Ph.D.
P.O. Box 8045, Statesboro, GA 30460
912-478-2266
sklim@georgiasouthern.edu