Description:
The broad field of electrical engineering involves working with all manners of electronic devices from pocket calculators to super computers. Often overlapping with computer engineering, a college degree in electrical engineering can open up the door to a career in almost any industry. Through an understanding of the ways electricity is generated and controlled, electrical engineers specifically design, develop, and test electrical equipment. Like any other kind of scientist, they must also know how to communicate their ideas to others in their field. A successful electrical engineer possesses not only an understanding of his or her area of concentration, but also a broad grasp of engineering in general. This is why most degree programs offering electrical engineering begin with the fundamentals of engineering itself. Electrical engineering students learn through a combination of design and lab work. This mix of theoretical and practical application allows students to think things through and then apply their ideas in a variety of real life situations.

GPA Requirement: 2.0
College of Engineering and Information Technology
Department Website: Department of Mechanical and Electrical Engineering
http://cost.georgiasouthern.edu/meteet/

Degree(s) Offered: Bachelor of Science in Electrical Engineering

Occupational Opportunities:
- Electrical Engineer
- Electrical Engineer
- Plant Manager
- Production Control Specialist
- Operations Supervisor
- Design Engineer
- Project Manager
- System Engineer
- Measurement Engineer
- Test Engineer
- Customer Service Engineer
- Computer Support Specialist
- Power Distribution Engineer
- Industrial Machinery Mechanics
- Electrical Appliance Repairers
- Line Installers
- Semiconductor Processing Operators
- Communications Equipment Mechanics
- Commercial/Industrial Electronics
- Repairers

**For more detailed information regarding typical duties, salary, training, etc please look at the Occupational Outlook Handbook online at http://www.bls.gov/OCO/**
Possible Employment Settings:
- Government Agencies
- Consulting Engineering Firms
- Utility Companies
- Private Laboratories
- Industrial Firms
- Manufacturing Firms
- Telecommunications Firms
- Computer Firms

Possible Areas of Specializations:
- Computer Programming
- Engineering Economy
- Numerical Analysis
- Engineering Mechanics
- Electrical Circuits
- Thermodynamics
- Engineering Materials

Internet Resources:
- EE Times (info and Jobs Online)  http://www.eet.com
- Internet Engineering Center Job Search  http://www.interrec.net
- The Georgia Engineer  www.thegeorgiaengineer.com/
- American Council of Engineering Companies  www.acec.org
- Georgia Chamber of Commerce  www.gachamber.com
- Engineering Job postings  http://www.engineering-jobs-here.com
- Grad Schools  http://www.gradschools.com/engin-tech.html

Professional Organizations:
- Institute of Electrical and Electronics Engineers  http://www.ieee.org
- Association of Energy Engineers  http://www.aeecenter.org/

GSU Student Organizations -  http://georgiasouthern.orgsync.com/:
- American Society of Mechanical Engineers (ASME)
- Institute of Electrical and Electronic Engineers (IEEE)
- Mathematical Association of America (MAA)
- National Society of Black Engineers (NSBE)
- Society of Manufacturing Engineers (SME)
- Society of Women Engineers (SWE)

Resources for salary information:
- FOCUS 2 Career:  http://tiny.cc/gsufocus