

In 1913

Thomas Edison's head engineer, Auburn alum Miller Reese Hutchison, donated one of the first wireless telegraphs ever made to Auburn Engineering, prompting a new course offering wireless telegraphy—an emerging technology that would allow communication with ships at sea, remote scientific outposts, and would grow to include many military commercial applications.



E N G I N E E R I N G

In 2002

The Samuel Ginn College of Engineering at Auburn University offers the first undergraduate degree in wireless engineering in the nation. This cutting-edge program has been developed with the help of a wireless advisory board comprised of top executives from the wireless industry.

Additional Information

For additional information contact:

Degree	Specialization	Contact
Wireless Electrical Engineering Option	• Hardware • Network	Jo Ann Loden 334.844.1825
Wireless Software Engineering Option	• Software • Network	Judy Aull 334.844.6313

To schedule a campus visit:

Student Services

www.eng.auburn.edu/ess

334.844.4310

Program Receives Vodafone-US Foundation Grant

- \$3.15 million over five years
- Undergraduate scholarships
- Graduate fellowships
- Course and laboratory development

To learn more about these scholarships and fellowships contact Mary Lynn Saidla at 334.844.2249.

"To be one of the three programs selected from across the nation is testament to the strength of our wireless efforts."

—Engineering Dean Larry Benefield



GINN COLLEGE OF
ENGINEERING

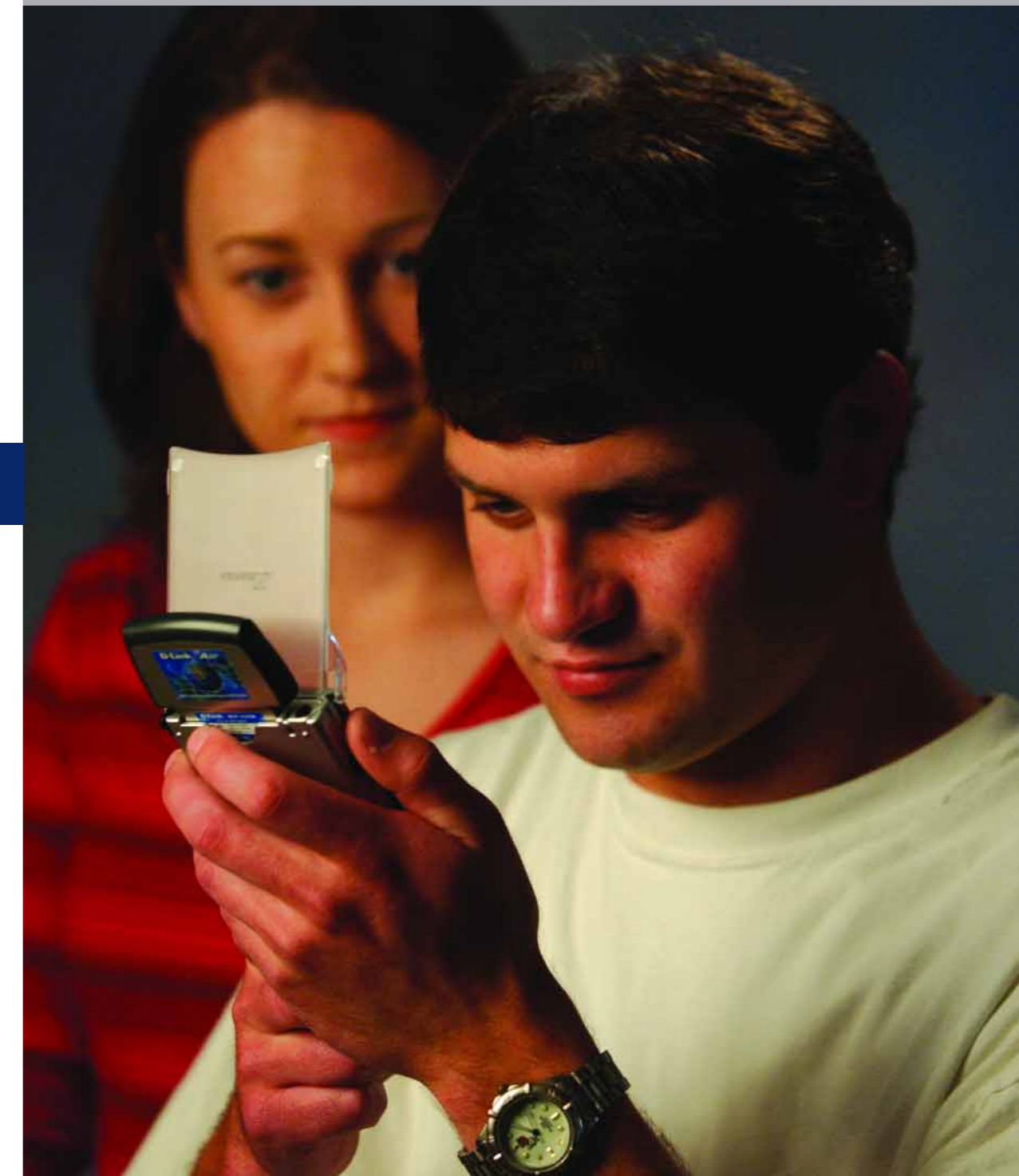
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AUBURN UNIVERSITY

On the Leading Edge

Cell phones are just the tip of the iceberg. Wireless technology is here to stay—in our homes, cars and offices. A decision to seek a degree in wireless engineering puts you on the leading edge of the latest technological wave.

Developed in close association with wireless industry leaders, Auburn's degree program—the first in the nation—provides you with the technical foundation to succeed in this exciting and fast-growing industry.

A Solid Foundation

Auburn's new undergraduate program is built on a deep heritage of engineering innovation stretching back more than a century. Its foundation was laid in 1892 when Auburn offered the first course work in electrical engineering in the South. Since that time, Auburn Engineering and engineering graduates have remained on the cutting edge of wireless communications technology, from radio and television to satellite communication and today's web networks.

Why Wireless?

Careers

Nationwide, there is a critical shortage of engineers with a background in wireless communications. This includes engineers who design radio frequency (rf) wireless circuits, and system and network hardware. As wireless devices have become more sophisticated, the demand for engineers who develop software for wireless systems has also increased. Companies such as Agilent, Cingular Wireless, Ericsson, Harris, Hewlett-Packard, IBM, Motorola, Raytheon, Nokia, Nortel Networks, Texas Instruments, Verizon Wireless, and Vodafone predict that this shortage will increase over the next two decades.

Excitement

There's a lot happening in wireless. The chance to get in on the ground floor of a new and fast-growing industry provides an exciting range of opportunities for career advancement and satisfaction.

Meeting Your Interests

Auburn's new wireless program is an effort that directly involves faculty and programs in two departments—Electrical and Computer Engineering (ECE) and Computer Science and Software Engineering (CSSE).

Students can choose between two tracks: hardware or software. Each track offers an option to specialize in network operations or wireless devices.



W I R E L E S S



E N G I N E E R I N G

Making a Difference

Wireless technology puts people in touch with people and improves lives. Medical devices, for example, help doctors monitor patient condition from a distance, while global positioning system (GPS) units cut response time for emergency medical teams. In developing countries, wireless technology speeds the construction of communications infrastructure.

Research

Auburn is also home to the Wireless Engineering Research and Education Center (WEREC)—the focal point for Auburn University's cross-disciplinary wireless activities. This center brings together people from electrical and computer engineering, computer science and software engineering, mechanical engineering, industrial and systems engineering, physics, math and business, to advance the science of wireless engineering. This creative environment provides unmatched educational opportunities for students interested in doing hands-on research.

Want to Know More?

Your choice of curriculum is one of the most important decisions you will ever make. Take the time to get the facts and weigh the options. The wireless program is challenging and demanding, requiring hard work and self-discipline, but the potential rewards are great.

- Consider your talents, interests and attitudes
- Visit your school library
- Talk with your guidance counselor
- Talk with people in the wireless industry
- Visit Auburn and other schools
- Browse the web

www.eng.auburn.edu/center/wireless

Cell Phones	E-mail
Notebook/Desktop Computers	Emergency Services
Security Services	Health Services
Global Positioning Systems	Internet
Medical Monitors	Data Services
	Personal Digital Assistants

Linked by Networks

People Connecting People | Services that Improve Lives