Wireless Technology unifies the world through better communications

Extracurricular Activities
Auburn Engineering students can participate in a wide variety of extracurricular activities beyond the classroom to gain experience in teamwork and project management. These activities include:

- Institute of Electrical and Electronics Engineers
- Institute of Electrical and Electronics Engineers Computer Society
- Society of Women Engineers
- National Society of Black Engineers
- Association for Computing Machinery
- Tau Beta Pi honor society

The Auburn Advantage
Solid academics and a campus with a strong sense of place make Auburn special. Our alumni recall a friendly, safe campus with a sense of family environment, caring professors, academic variety and challenge, and extracurricular activities that helped them grow into leaders.

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, but the rewards are great. The starting salary of wireless engineering graduates compares favorably with other engineering disciplines ranging from $40,000 - $50,000 according to ASEE. You also get to be on the ground floor of a new and fast growing industry with opportunities for career advancement and satisfaction.

Contact Us
- Hardware track: Jo Ann Loden 334.844.1825; lodenja@auburn.edu
- Software track: Claudette Tennant 334.844.0310; tennacw@auburn.edu

www.eng.auburn.edu/wireless
At a Glance

Wireless technology is everywhere — at home, work and on the road. We experience it in the form of cell phones, mobile computing, industrial or defense automation, emergency and security services, global positioning systems and medical monitors.

Nationwide, there is a shortage of engineers who can design wireless systems and communication hardware and software. Potential employers include members of the wireless industry such as Agilent, AT&T, Vodafone and Texas Instruments, as well as manufacturers of products that use wireless systems ranging from automobiles to airplanes and embedded games to advanced computers.

Scholarships/Financial Assistance

Many grant opportunities are available. Some of them are:
- Pell grants
- Departmental scholarships
- Research internships with professors
- NSF Research Experience for Undergraduates
- Birdsong Study Abroad Scholarships

As students progress through the curriculum, the number of available scholarships and grants increases. Although some consideration is given to financial need, most scholarship awards are based on academic achievement. Many students also choose to participate in internship or co-op programs. In addition, guaranteed student loans are also available.

www.eng.auburn.edu/scholarships

Wireless at Auburn

Developed with the help of wireless industry leaders, Auburn’s wireless engineering program is the first of its kind in the nation. It provides a technical foundation to succeed in the rapidly growing wireless industry.

This program is an interdisciplinary effort between the Department of Electrical and Computer Engineering and the Department of Computer Science and Software Engineering. Students in this newly accredited program can choose either the hardware or the software track. There are also specializations in wireless networks in both tracks.

Bachelor of Wireless Engineering

The curriculum emphasizes hands-on laboratory experiments and oral and written communications skills. Freshmen and sophomores study basic sciences, mathematics and the humanities. Juniors and seniors are exposed to engineering fundamentals and engineering economics, as well as coursework specific to wireless engineering.

Wireless Hardware
- The wireless hardware track focuses on the design of wireless hardware such as integrated circuit chips, wireless communications devices and network switching equipment. The curriculum includes courses in circuit analysis, communications, digital systems, electronics, electromagnetism, and wireless communications and networks.

Wireless Software
- The wireless software track focuses on software development for wireless systems, servers, clients and network processors. Coursework includes wireless communication theories, design, protocol, systems, applications, standards, management and networks.

Undergraduate Research

Interested in research? Auburn’s Wireless Engineering Research and Education Center (WEREC) is the focal point for cross-disciplinary wireless activities. Such interaction among disciplines provides an unmatched creative and educational environment for students interested in research and hands-on experience in the wide world of wireless.

Advising/Support Services

To ensure progress toward completion of degree requirements, an engineering advisor, department academic advisor, and department undergraduate program officer are available to discuss and advise on curriculum choices and requirements. Auburn engineering is committed to helping students succeed. The following services are available at no cost:
- Study partners mentoring program
- College of Engineering tutoring program
- AT&T Minority Engineering Program

www.eng.auburn.edu/wireless