Samuel Ginn
College of Engineering

Founded 1908
Alabama's largest engineering program
Auburn's largest college

NATIONAL RANKINGS
Public institutions¹
Undergraduate Program  31st
Graduate Program     39th
Graduate Online Program  17th

ACADEMIC PROGRAMS
Aerospace Engineering
Biosystems Engineering
Chemical Engineering
Civil Engineering
Computer Science
    and Software Engineering
Electrical and Computer Engineering
Industrial and Systems Engineering
Mechanical Engineering
Materials Engineering
Wireless Engineering

MINORS AND CERTIFICATES
Automotive Engineering
    and Manufacturing Systems
Biomedical Engineering
Business-Engineering-Technology
Computer Science
Environmental Engineering
Information Technology
Materials Engineering
Materials Science
Nuclear Power Generation Systems
Occupational Safety and Ergonomics
Pulp and Paper Engineering
Tribology and Lubrication Science

FACULTY
146 tenure/tenure track faculty
37 non-tenure track faculty

RESEARCH
$60 million in research expenditures²
44th in nation in research expenditures²
    (Ranked in top 50 for the past nine years)

Focus Areas
• Advanced Manufacturing
• Biomedical and Pharmaceutical Engineering
• Cyber Security and Information Technology
• Energy and Environment
• Engineered Materials and Nanotechnology
• Infrastructure and Transportation

STUDENTS
Undergraduate  4,968
Graduate      850
    MS        463
    Ph.D      387
Total enrollment  5,818
• Undergraduate program ranked 27th in enrollment²
• Ranked 20th nationally in engineering degrees awarded to African-Americans³

Freshman Class Snapshot
• Average ACT/SAT  29.1/1252
• Average High School GPA  3.95
• Comprises 26% of Auburn's freshman class

Outside the Classroom
• 93% of Auburn’s co-op students are enrolled in engineering
• Study abroad programs offer fresh perspective in the global economy
• A variety of hands-on student projects such as Formula SAE, AIChE Chemical Engineering Car Team, ASCE Concrete Canoe and AIAA Design/Build/Fly
• The Alabama Power Academic Excellence Program emphasizes the recruitment and retention of underrepresented engineering students

¹2014 U.S. News & World Report  ²American Society for Engineering Education (ASEE)  ³Diverse Issues in Higher Education
AUBURN ENGINEERING ONLINE

Graduate Online Program
Ranked 17th by U.S. News & World Report's Best Online Engineering Graduate Programs

101 online courses offered

2014 registration: Spring 480, Summer 314, Fall 672

Graduate Online Program Degree Offerings
- Aerospace Engineering
- Chemical Engineering
- Civil Engineering
- Computer Science and Software Engineering
- Electrical and Computer Engineering
- Industrial and Systems Engineering
- Dual MBA/Industrial and Systems Engineering
- Materials Engineering
- Mechanical Engineering

Continuing Education Programs
- 127 live seminars and conferences serving nearly 4,400 clients
- 126 distance continuing education courses delivered by streaming video serving 531 students in 50 states and international locations

OUTREACH

• E-Day – open house introduces thousands of middle and high school students to Auburn Engineering
• Engineering Summer Camp – residential summer program for 11th-12th graders gives students hands-on experience
• Women in Engineering Camp – summer camp for 8th-10th graders recruits females to engineering
• Summer Experience: Digital Forensics – three-week summer camp to introduce 11th graders to cyber security for college credit
• Robo and Computer Camps – day camps increase computer literacy for 5th-12th graders
• BEST – the nation’s third largest K-12 robotics program, serving 12,500 students from 850 schools in 15 states
• KEMET Academy (Knowledge and Excellence in Mathematics, Equilibrium and Technology) – summer camp introduces minority high school students to courses that prepare them for graduation and college entrance exams

PHILANTHROPY

Overall Campaign Goal: $200,000,000
2015 - 2016 Fundraising Goal: $20,000,000

Overall Campaign Goals

- Programmatic Support $105 million
- Scholarship and Fellowship Support $40 million
- Facility Support $31 million
- Faculty Support $24 million

STRATEGIC GOALS

• Perform and achieve recognition as a top 25 engineering program
• Sustain world-class programs at the frontier of engineering education
• Recruit, mentor, retain and support outstanding faculty members
• Establish highly subscribed, highly competitive graduate programs
• Significantly increase research activity throughout the college
• Position the college to compete for large, national research center grants
• Engage in innovative research to improve quality of life and economic competitiveness

WORTH NOTING

• John and Rosemary Brown have made a $30 million gift for the construction of an engineering student achievement center
• The Gavin Engineering Research Laboratory’s $20 million renovation will house the Center for Polymers and Advanced Composites
• These two projects build on more than $200 million in construction including the Shelby Center for Engineering Technology
• The Auburn MRI Research Center houses 3T clinical and 7T research scanners
• The Charles D. McCrary Institute at Auburn University will improve the security and operation of our nation’s infrastructure
• Auburn University has three cyber security designations:
  • Center of Academic Excellence in Information Assurance Education by the Department of Homeland Security and the National Security Agency
  • Center of Academic Excellence in Information Assurance Research
  • Center of Excellence in Cyber Operations by the National Security Agency