



**AUBURN**  
UNIVERSITY

Samuel Ginn  
College of Engineering



## STUDENTS

**5,214** Undergraduate / **1,117** Graduate / **495** M.S. / **592** Ph.D. / **6,331** Total Enrollment

- » Ranked as the **top engineering college** in the State of Alabama
- » **Top 25** producer of African American engineering graduates in the nation
- » **23 percent** of undergraduate enrollment is female, while **25 percent** of graduate student enrollment is female

## FRESHMAN CLASS SNAPSHOT

Average ACT **28.8**  
Average High School GPA **4.15**

Comprises 23 percent of Auburn's freshman class

## NATIONAL RANKINGS

Public institutions<sup>1</sup>

- » **30th** - Undergraduate Program
- » **31st** - Graduate Program
- » **12th** - Graduate Online Program
- » Program ranked **35th** in enrollment<sup>2</sup>
- » Ranked **23rd** in undergraduate degrees awarded to African Americans<sup>2</sup>

<sup>1</sup>U.S. News & World Report

<sup>2</sup>American Society for Engineering Education (ASEE)

## FACULTY

**177** tenure/tenure track faculty  
**67** non-tenure track teaching/  
research faculty

## OUTSIDE THE CLASSROOM

- » Co-ops prepare students for professional careers with alternating semesters of classroom instruction and full-time paid work assignments
- » Study abroad programs and international internships offer fresh perspectives in the global economy
- » A variety of hands-on student projects, such as Formula SAE, Aerospace Engineering Design/Build/Fly, Ethical Hacking Club and Indy Autonomous Challenge team

## ACADEMIC PROGRAMS

*Bachelor's, master's and doctoral degrees offered in these disciplines:*

- » Aerospace Engineering
- » Biosystems Engineering
- » Chemical Engineering
- » Civil Engineering
- » Computer Science and Software Engineering
- » Electrical and Computer Engineering
- » Industrial and Systems Engineering
- » Materials Engineering
- » Mechanical Engineering
- » Polymer and Fiber Engineering (only M.S. and Ph.D.)

*We also offer:*

- » Master of Engineering
- » Master of Engineering Management
- » Master of Science in Cybersecurity Engineering
- » Master of Science in Data Science and Engineering

In addition, the college offers other credentials, such as minors and certificates, in topics such as tribology and lubrication science, automotive engineering, nuclear power generation systems, occupational safety and ergonomics and pulp and paper technology, among others.

## RESEARCH

- » **\$86** million in research expenditures
- » **\$82** million research awards and grants
- » **32nd** among public institutions in research expenditures<sup>2</sup>  
(Ranked in top 50 for more than 10 years)

## FOCUS AREAS

- » Advanced manufacturing and materials
- » Cybersecurity and intelligent systems
- » Energy and environment
- » Infrastructure and transportation
- » Biomedical and health systems engineering

## SPECIALIZATIONS:

- » National leader in technological solutions for autonomy in commercial trucking sector
- » Nationally recognized cyber research center with an emphasis on improving the industrial Internet of Things
- » Three designated Centers of Excellence by the Department of Homeland Security and the National Security Agency
- » Leader in low Earth orbit small satellite systems for national defense and science applications
- » Features the Manufacturing Innovation Institute for Flexible Hybrid Electronics
- » MRI Research Center houses 3T clinical and 7T research scanners

## AUBURN ENGINEERING ONLINE

### GRADUATE ONLINE PROGRAM

Ranked **16th** by *U.S. News & World Report's*  
Best Online Engineering Graduate Programs

2023 enrollment:	Spring	249
	Summer	128
	Fall	244



### CONTINUING EDUCATION PROGRAMS

- » **17** graduate certificates available completely online
- » **177** distance continuing education courses delivered by streaming video serving more than **500** students in **50** states and international locations

### UNDERGRADUATE ONLINE DEGREES

- » Computer Science

### GRADUATE ONLINE DEGREES

- » Aerospace Engineering
- » Chemical Engineering
- » Civil Engineering
- » Computer Science and Software Engineering
- » Cybersecurity Engineering
- » Data Science and Engineering
- » Electrical and Computer Engineering
- » Engineering Management
- » Industrial and Systems Engineering
- » Dual MBA/Industrial and Systems Engineering
- » Materials Engineering
- » Mechanical Engineering
- » Master of Engineering
- » Polymer and Fiber Engineering

## OUTREACH

**E-Day** – open house introduces thousands of middle and high school students to Auburn Engineering.

**GRAND Engineering Showcase** – invites K through 6th-grade students to explore how we are solving the engineering grand challenges through hands-on demonstrations.

**Summer Expo** – Day programs for rising 9-12th graders that allow students to explore the different engineering majors while participating in hands-on activities to tackle challenges for a particular engineering theme. Sessions are led by engineering organizations, faculty members, and current engineering students.

**Future City Competition** – Grades 6th-8th. Team and project-based learning program where students imagine, research, design and build cities of the future.

**The Drop** – Grades K-6th. Spend a Saturday and compete in an Egg Drop Competition held at Auburn University.

**inspiHER** – Grades 6th- 8th. Join us to see how our female, alumni, faculty and students are inspiring the next generation of engineers.

**SHEroes** – Grades 9th and 10th. Students are able to participate in hands-on activities and see how female engineers are making a difference in the world.

**Future Engineer Club** – Grades Pre-K-8th. Students receive monthly hands-on activities and videos from our office, notifications of upcoming events, and opportunities to engage with our engineering students.

**MITE** – rising 9th - 12th graders. Week-long residential summer residential program that allows underrepresented students the opportunity to be exposed to engineering design processes that are used to solve some of the world's most pressing challenges.

**MADE at AU** – Making A Difference in Engineering event is designed to expose high school juniors and seniors to Auburn Engineering and offers them the opportunity to visit faculty and staff, take tours of facilities and meet successful women alumni.

**Center for Inclusive Engineering Excellence** – The Center for Inclusive Engineering Excellence supports engineering students from pre-college through graduation by focusing on expanding academic preparation, professional readiness and exploration of career paths. It achieves this through a wide range of programs, including learning communities, professional development workshops, peer learning sessions and similar programs.

**100+ Women Strong** – The force to recruit, retain and reward Auburn women in engineering, 100+ Women Strong offers comprehensive programming to encourage young women to pursue engineering and support them along the way. Successful alumni and friends of the college devote their time to counseling young women in engineering through individual mentoring, professional development presentations, networking events and similar programs.

**Group Visits** – K-12th grade group visits are available to schools or organizations interested in learning about engineering. In-person and virtual group visits give students an opportunity to participate in hands-on engineering demonstrations.

If you are interested in scheduling a group visit, or want to view our calendar of outreach activities within the College of Engineering, please visit our website: [eng.auburn.edu/outreach](http://eng.auburn.edu/outreach)