

# AUBURN UNIVERSITY

## SAMUEL GINN COLLEGE OF ENGINEERING

Est. 1908

### STUDENTS

Undergraduate	<b>5,579</b>
Graduate	<b>1,003</b>
- M.S.	433
- Ph.D.	562
- Certificate	8
Total enrollment	<b>6,582</b>

### FRESHMAN CLASS SNAPSHOT



Average ACT	<b>29.5</b>
Average High School GPA	<b>3.99</b>
Comprises 25 percent of Auburn's freshman class	

- Houses the Academic Excellence Program which emphasizes the recruitment and retention of underrepresented engineering students
- **20 percent** of undergraduate enrollment is female, while **25 percent** of graduate student enrollment is female

**FACULTY** **196** - tenure/tenure track faculty

**62** - non-tenure track teaching/research faculty

### NATIONAL RANKINGS

Public institutions<sup>1</sup>

- **29th** - Undergraduate Program
- **40th** - Graduate Program
- **12th** - Graduate Online Program
- Program ranked **23rd** in enrollment<sup>2</sup>
- Ranked **23rd** in undergraduate degrees awarded to African-Americans<sup>2</sup>

### ACADEMIC PROGRAMS

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

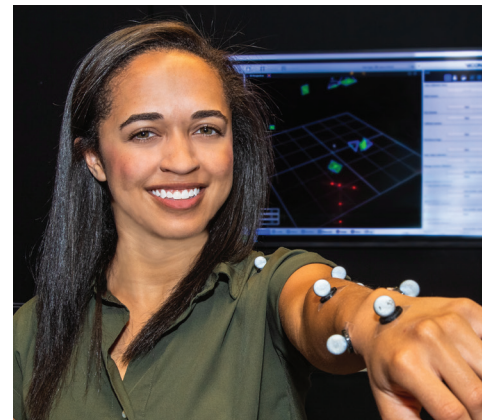
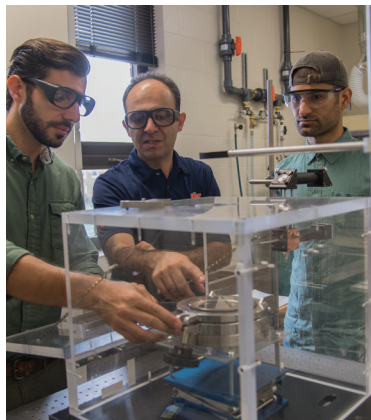
- Aerospace Engineering
- Biosystems Engineering
- Chemical Engineering
- Civil Engineering
- Computer Science and Software Engineering
- Electrical and Computer Engineering
- Industrial and Systems Engineering
- Materials Engineering
- Mechanical Engineering
- Polymer and Fiber Engineering (only M.S.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

*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, pulp and paper technology, among others.

Visit [eng.auburn.edu/programs](http://eng.auburn.edu/programs) for a complete list.



### 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 perspective in the global economy
- A variety of hands-on student projects, such as Formula SAE, AIChE Chemical Engineering Car Team and Aerospace Engineering Design/Build/Fly

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

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

# RESEARCH

**\$64.3** million in research expenditures<sup>2</sup>  
**47th** in nation 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
- Only ABET accredited wireless engineering program in the nation

# AUBURN ENGINEERING ONLINE

## GRADUATE ONLINE PROGRAM

Ranked **12th** by U.S. News & World Report's Best Online Engineering Graduate Programs

- **114 online courses offered** -

2019 registration:	Spring	113
	Summer	84
	Fall	156



## UNDERGRADUATE ONLINE DEGREES

Computer Science

## GRADUATE ONLINE DEGREES

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

## CONTINUING EDUCATION PROGRAMS

- **127** live seminars and conferences serving nearly **4,400** clients
- **166** distance continuing education courses delivered by streaming video serving more than **500** students in **50** states and international locations

# OUTREACH

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

**Women in Engineering Camp** – summer camp for rising 9th through 12th-graders focuses on issues important to women in engineering.

**Junior Tigers Camp** – camp for rising 10th through 11th-graders explores the different engineering majors while participating in hands-on activities.

**Senior Tigers Camp** – camp for rising 12th-graders explores the different engineering majors while participating in hands-on activities.

**TEAMS** – Tests of Engineering Aptitude, Mathematics and Science is an annual one-day competition for middle and high school students designed to help them discover their passion for engineering.

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

**BEST** – the nation's third largest K-12 robotics program, serving 12,500 students from 850 schools in 15 states.

**PEAK** – Promoting Engineering at Auburn for Kids program is an after-school camp available to 3rd through 5th-graders that helps students see themselves as engineers through hands-on activities.

**MADE at AU** – Making A Difference in Engineering event is designed to expose female 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.

**Academic Excellence Program** – The Academic Excellence Program 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. Group visits give students an opportunity to go on an engineering tour, see an engineering demonstration and see what campus life is like.