RESEARCH & INNOVATION

Auburn Chemical Engineering provides a rigorous postgraduate experience working with some of the top researchers in biological engineering, systems engineering, energy systems, and advanced materials & nanotechnology. Our students solve real-world problems relating to energy, medicine, nanotechnology or sustainability with engineering practices and scientific foundations. Chemical engineers take what we can’t see and transform them into usable, safe and sustainable products for home and industrial use. Graduates become pioneers for better, more efficient solutions to both everyday challenges and global issues.
RESEARCH AREAS

**Biological Engineering**
Biomedical Engineering
Biomaterials
Biochemical Engineering
Bioprocessing
Bio-catalysis
Pharmaceutical Engineering & Drug Delivery
Bio-sensors
Environmental Biotechnology
Tissue Engineering

**Energy Systems**
Biofuels & Biorefining
Alternative Fuel Synthesis & Processing
Mobile Fuel Processors
Energy Production
High-performance Energy Conversion & Storage
Catalysis & Reaction Engineering
Gasification & Gas-to-liquids Technology

**Systems Engineering**
Process & Product Design
Process Control
Green Chemistry & Engineering
Sustainable Engineering
Computer-aided Chemical Engineering

**Advanced Materials & Nanotechnology**
Microfibrous Materials
Nanostructured & Nano-functional Materials
Polymers & Bio-polymers
Biomaterials
Biomemetic Materials
Micro/Nano-electro Mechanical Systems
Surface & Colloid Science
Thin Films
COMMUNITY & CONNECTION

The Auburn campus is the heart of a vibrant and growing downtown with shopping, restaurants — ranging from fine dining and international cuisine to pizza and BBQ, and nightclubs featuring dancing and live music. The surrounding area offers world-class golf, hiking, and mountain biking. Atlanta, Birmingham, and the Gulf Coast beaches are only a few hours away.

Auburn Family is more than a catchphrase. It’s a very real connection with the community, your peers, and your advisors. Whether tailgating before a football game, or bonding with the other members of your research group over a coffee after your presentations, your time at Auburn will form experiences and relationships that will shape the course of your life.

https://www.aotourism.com/
## DESTINATIONS

<table>
<thead>
<tr>
<th>Destination</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atlanta, GA</td>
<td>1 h 40 min</td>
</tr>
<tr>
<td>Birmingham, AL</td>
<td>1 h 58 min</td>
</tr>
<tr>
<td>New Orleans, LA</td>
<td>5 h 20 min</td>
</tr>
<tr>
<td>Nashville, TN</td>
<td>4 h 38 min</td>
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<tr>
<td>Columbus, GA</td>
<td>43 min</td>
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<tr>
<td>Montgomery, AL</td>
<td>52 min</td>
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<tr>
<td>Gulf Shores, AL</td>
<td>3 h 49 min</td>
</tr>
<tr>
<td>Panama City Beach, FL</td>
<td>3 h 45 min</td>
</tr>
</tbody>
</table>

## AUBURN, ALABAMA IS CONSISTENTLY RANKED ONE OF THE TOP SMALL TOWNS IN THE COUNTRY.

**Southern Living**
Named Auburn one of the South's *Best Small College Towns*.

**Bloomberg Businessweek**
Named Lee County one of America's *Best Affordable Places*.
[images.businessweek.com/slideshows/20110525/america-s-best-affordable-places-2011#slide2](http://images.businessweek.com/slideshows/20110525/america-s-best-affordable-places-2011#slide2)

**Forbes.com**
Ranks Auburn at #10 (among 100) as one of the *Best Small Places for Business and Careers*.
Auburn University’s Department of Chemical Engineering provides a nationally-ranked graduate program in a thriving community that combines economic growth and vibrant culture with small-town charm (and cost of living).

All PhD students receive full tuition waivers, substantial stipends, and potential for additional fellowships.

Apply now at http://eng.auburn.edu/chen-graduate
FELLOWSHIPS & FINANCIAL SUPPORT

- Tuition is waived for all students accepted into the PhD Program
- Teaching/Research assistantships provided to all PhD students
- Competitive fellowships with stipend up to $39,000 per year
- Auburn cost of living is slightly below the U.S. average

Auburn University Fellowships Available:

- Gavin Fellowship provides up to $12,000/year additional stipend
- Woltoz Fellowship provides up to $12,000/year additional stipend
- Presidential Fellowship provides up to $15,000/year additional stipend