Celebrating 100,000 Degrees

On May 9, 2014

We awarded our

100,000TH

ENGINEERING

DEGREE

Ammon Berrios ’14
Orange Grove, TX
College of Engineering

Largest college at Texas A&M

More than 15,000 students in 14 departments

Nationally Recognized Programs

- Undergraduate Program*
- Departments Ranked in Top 10*
- Research Expenditures**

Sources

* 2015 U.S. News and World Report Rankings of Public Universities
**American Society for Engineering Education (2014 report)
College of Engineering Organizational Chart

M. Katherine Banks
Vice Chancellor and Dean of Engineering

N.K. Anand
Executive Associate Dean

Valerie Taylor
Senior Associate Dean for Academic Affairs

John E. Hurtado
Associate Dean for Academic Affairs

Prasad Enjeti
Associate Dean for Academic Affairs

Your departmental academic advisor

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Engineering Departments

- Aerospace Engineering
- Civil Engineering
- Industrial and Systems Engineering
- Biological and Agricultural Engineering
- Computer Science and Engineering
- Mechanical Engineering
- Ocean Engineering
- Biomedical Engineering
- Electrical and Computer Engineering
- Nuclear Engineering
- Materials Science and Engineering
- Chemical Engineering
- Engineering Technology and Industrial Distribution
- Petroleum Engineering

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Aerospace Engineering

Civil Engineering

Electronics Systems Engineering Technology

Mechanical Engineering

Biological & Agricultural Engineering*

Computer Engineering

Manufacturing & Mech. Engineering Technology

Multidisciplinary Engineering Technology

Chemical Engineering

Computer Science

Industrial Distribution

Nuclear Engineering

Biomedical Engineering

Electrical Engineering

Industrial Engineering

Ocean Engineering

Petroleum Engineering

*Administered by the College of Agriculture and Life Sciences
<table>
<thead>
<tr>
<th>College of Engineering</th>
<th>Engineering Technology &amp; Industrial Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Cybersecurity</td>
<td>• Embedded Systems Integration</td>
</tr>
<tr>
<td>• Engineering Project Management</td>
<td></td>
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<tr>
<td>Aerospace Engineering</td>
<td>Industrial Engineering</td>
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<tr>
<td>Biomedical Engineering</td>
<td>Materials Science and Engineering</td>
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<tr>
<td>Chemical Engineering</td>
<td>Mechanical Engineering</td>
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<tr>
<td></td>
<td>• Analysis, Design and Management of Energy Conversion Systems</td>
</tr>
<tr>
<td></td>
<td>• Control of Mechanical Systems</td>
</tr>
<tr>
<td></td>
<td>• Design and Simulation of Mechanical Systems</td>
</tr>
<tr>
<td>Computer Science &amp; Engineering</td>
<td>Nuclear Engineering</td>
</tr>
<tr>
<td>• Computer Science</td>
<td>• Nuclear Engineering</td>
</tr>
<tr>
<td>• Game Design and Development</td>
<td>• Radiological Health Engineering</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>Petroleum Engineering</td>
</tr>
</tbody>
</table>
Engineering Programs

Engineering Honors Program

4+1 program: BS Engineering/MS Business

ENGR[X]

Zachry Leadership Program

Integrated Engineering / Law Degree

Interdisciplinary BS Degree in Engineering

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Student Organizations

11 College-wide Student Organizations

- Aggies Communicate Through Engineering
- Engineers Without Borders
- Engineers Serving the Community
- National Society of Black Engineers
- Student Engineers’ Council
- Society for Asian Scientists and Engineers
- Society of Hispanic Professional Engineers
- Society of Mexican American Engineers & Scientists
- Society of Women Engineers
- Tau Beta Pi (Engineering Honor Society)
- Theta Tau (Co-ed Professional Engineering Fraternity)

Departmental Organizations

- More than 52 organizations in the departments
- All departments have an honor society and at least one professional society
Academics
Academic Advising

• **Know** your advisor

• Advisors provide **recommendations** and inform you of **rules** and **requirements**

• **Questions** during the semester? Contact your **advisor**!
Bring Your Own Device

• **Required** for new undergraduate students

• **Enhances** technology-mediated instruction

• Cost of device can be included with the cost of attendance for financial aid

• 2016-2017 recommended systems:
  - HP Zbook Studio G3
  - Lenovo ThinkPad P50 15.6”
  - Dell 15” New Precision 5510
  - Apple MacBook Pro 13”

engineering.tamu.edu/easa/byod
Strategies for Success

• Anticipate 3 hours of study per week for each credit hour – lost time cannot be regained

16 credits X 3 hrs. study = 48 hours of study PER WEEK

• Study in groups

• Ask for help, early
Resources

Howdy  Supplemental Instruction  Peer Tutoring
ENGR 111/112 Help Sessions  Academic Success Center  Disability Services
Engineering Academic and Student Affairs  Engineering Living Learning Community  Career Center
Texas A&M Student Rules  Success Program  Undergraduate Catalog
Scholarships  Course Schedule

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The Aggie Engineering Experience

Knowledge Application
• Career Fair
• Certificates
• Engineering Innovation Center
• Engineering Project Showcase
• Internships
• Student Design Competitions

Undergraduate Research
• AggiE-Challenge
• Engineering Honors
• Undergraduate Summer Research Grants

Global Communities
• Engineering Student Organizations
• International Programs
Engineering Innovation Center
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Undergraduate Research
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Global Communities
- Engineering Student Organization: EWB
- International Programs

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Engineering Study Abroad Programs
Guiding Principles for Controlled Growth with Excellence

• Transform the educational experience to better prepare our students to engage in and meet the future needs of the engineering marketplace

• Increase accessibility to engineering education at all levels

• Deliver engineering education in a cost-effective manner
Teaching of 25 by 25

No engineering class larger than 100 students

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The professors of practice have contributed greatly to the learning experience of the students. They bring a real world, professional view to the classroom.

Melinda McClure ’15
Chemical Engineering
Former President, Student Engineers Council
Thanks and Gig ‘em!

Questions?

Engineering Academic and Student Affairs
Engineering Activities Building B
979.845.7200
Email: easa@tamu.edu

engineering.tamu.edu/easa