WELCOME, AGGIE ENGINEERS!

Freshmen

TEXAS A&M UNIVERSITY
Engineering
CONSISTENTLY RANKED TOP 10

3\textsuperscript{rd} in the nation in research expenditures

- 696 Faculty
- 2.1 Million square feet of learning space
- 75 Professors of Practice
- 251 Professional Society Fellows
- 27 National & International Academy Members
- 100\% of engineering classes less than 100 students
NATIONALLY RECOGNIZED

- Ranked 8th among public institutions for undergraduate engineering
IN THE CLASSROOM

• **100%** of engineering classes have fewer than 100 students

• **54%** of engineering classes have fewer than 50 students
<table>
<thead>
<tr>
<th>Major</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace</td>
<td><img src="image" alt="Aerospace" /></td>
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<tr>
<td>Architectural</td>
<td><img src="image" alt="Architecture" /></td>
</tr>
<tr>
<td>Biological &amp; Agricultural</td>
<td><img src="image" alt="Biological &amp; Agricultural" /></td>
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<tr>
<td>Biomedical</td>
<td><img src="image" alt="Biomedicine" /></td>
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<tr>
<td>Chemical</td>
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<tr>
<td>Civil</td>
<td><img src="image" alt="Civil" /></td>
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<tr>
<td>Computer Engineering</td>
<td><img src="image" alt="Computer Engineering" /></td>
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<tr>
<td>Computer Science</td>
<td><img src="image" alt="Computer Science" /></td>
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<tr>
<td>Computing</td>
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<tr>
<td>Environmental</td>
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<tr>
<td>Electrical</td>
<td><img src="image" alt="Electrical" /></td>
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<tr>
<td>Electronic Systems Engineering Tech</td>
<td><img src="image" alt="Electronic Systems Engineering Tech" /></td>
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<tr>
<td>Industrial Distribution</td>
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<tr>
<td>Industrial</td>
<td><img src="image" alt="Industrial" /></td>
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<tr>
<td>Interdisciplinary</td>
<td><img src="image" alt="Interdisciplinary" /></td>
</tr>
<tr>
<td>Manufacturing &amp; Mechanical Engineering Tech</td>
<td><img src="image" alt="Manufacturing &amp; Mechanical Engineering Tech" /></td>
</tr>
<tr>
<td>Material Science</td>
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<tr>
<td>Mechanical</td>
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<tr>
<td>Multidisciplinary Engineering Tech</td>
<td><img src="image" alt="Multidisciplinary Engineering Tech" /></td>
</tr>
<tr>
<td>Nuclear</td>
<td><img src="image" alt="Nuclear" /></td>
</tr>
<tr>
<td>Ocean</td>
<td><img src="image" alt="Ocean" /></td>
</tr>
<tr>
<td>Petroleum</td>
<td><img src="image" alt="Petroleum" /></td>
</tr>
</tbody>
</table>
17 MINORS

1. Aerospace Engineering
2. Biomedical Engineering
3. Chemical Engineering
4. Computer Science
5. Game Design & Development
6. Electrical Engineering
7. Cybersecurity
8. Engineering Project Management
9. Embedded Systems Integration
10. Industrial Engineering
11. Materials Science & Engineering
13. Control of Mechanical Systems
14. Nuclear
15. Radiological Health
16. Petroleum
17. Design and Simulation of Mechanical Systems
ENTRY TO A MAJOR

• When you applied, you indicated a preference for a major
• ETAM allows you to explore engineering fields so that you make the most informed choice
• You will follow a common first-year engineering curriculum
• Based on your performance and chosen programs’ capacities, ETAM places you in a major

BY THE NUMBERS: Spring 2018/Fall 2018

100%
of eligible engineering students were placed in a major

86.8%
of eligible engineering students were placed in their first or second choice major

76.8%
of eligible engineering students were placed in their first choice major
COMMON FIRST YEAR CURRICULUM

• Introductory math, chemistry and physics
• Computer programming and application
• Intro to engineering majors
• Career exploration
• Diversity of engineering
• Pathways to success
YOUR TEST SCORES

Math Placement Exam 1 (MPE 1)
• An accurate math placement tool
• MPE score is the best predictor of success in your 1st math course at Texas A&M
• Proper math placement improves student outcomes
• Success in engineering begins with earning an A or B in your 1st math course

Advanced Placement (AP) & International Baccalaureate (IB)
• MPE scores are used in conjunction with AP/IB credits to determine math placement
IMPROVE OUTCOMES

Drops & Failure Rates Decreased

<table>
<thead>
<tr>
<th>Year</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate</td>
<td>9.1%</td>
<td>5.4%</td>
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</table>

Average Course Grades Increased

<table>
<thead>
<tr>
<th>Year</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade</td>
<td>3.01</td>
<td>3.22</td>
</tr>
</tbody>
</table>
STRATEGIES FOR YOUR SUCCESS

1. Take ownership of your education. Expect to study, a lot.
2. Get to know your professors.
3. Study in groups.
4. Ask for help, early.
5. We’ve got resources for you. Use them!

Resources:
• Supplemental Instruction
• Peer Tutoring
• ENGR Help Sessions
• Academic Success Center
• Disability Services
• Academic Advisors

tx.ag/engrhelp
YOUR ACADEMIC ADVISORS

• Great team committed to your success!

• Use your advisor, especially your first year.

• Advisors provide recommendations and inform you of rules and requirements.
HOWDY PORTAL

• You and your advisor will use the HOWDY portal for your fall 2019 schedule.
• Log in at howdy.tamu.edu
GET INVOLVED

Engineering Entrepreneurship Program
- Invent for the Planet — The sun never sets on innovation
- Aggies Invent — Solve problems in 48 hours
- Entrepreneurship courses
- Engineering Inc. — Start a business

Engineering Project Showcase
- Compete for cash prizes
- More than 1,200 students present their projects

Career Fair
- Largest student-run career fair in the nation
- More than 400 companies attend
ENGR[X]

Go above & beyond.
FIND YOUR COMMUNITY

- Access & Inclusion Program
- Women in Engineering Program
- Engineering Honors Program
- Zachry Leadership Program
- First-Generation Engineering Mentoring Students Program
- Engineering Student Organizations

The National Society of Black Engineers has given me the opportunity to meet great people, strengthen my leadership skills, and build my future.
— Brittney Nelson, Class of 2020
BYOD

Bring Your Own Device

- Technology requirements for all engineering students
- Ensures highest quality educational experience
- College provides IT support for recommended devices
- Negotiated prices with vendors

tx.ag/BYOD
MARCH 13, 2019
BY: DANIELLE YARBROUGH
DEALING WITH SCHOOL STRESS: A FEW TIPS
I think that many students have similar experiences with cycles of stress and procrastination. Thankfully, over the summer before my junior year, I decided to work hard on my time-management skills and deal with the stresses of school in a healthy way.
TOPICS: ACADEMIC ACTIVITIES

NOVEMBER 7, 2018
BY: PHOEBE HO-STONE
MY STUDENT LIFE EXPERIENCE
The experiences that have impacted me the most during my time at Texas A&M are the extracurricular opportunities. The best part is, anyone can be involved at any capacity. Through my involvement with extracurricular activities, I have made long lasting friendship, worked toward success, dealt with failure, collaborated on teams, and learned how to follow and how to lead.
TOPICS: STUDENT LIFE

SEPTEMBER 12, 2018
BY: LUIS MORENO
TO INTERN OR NOT TO INTERN
There’s so much to love about summer internships. Aside from gaining work experience, getting paid and increasing your network, summer internships are awesome for building your independence and transitioning into the “real world” after college.
TOPICS: INTERNSHIP EXPERIENCE

APRIL 10, 2019
BY: ANNA CHURCH
5 THINGS I’VE LEARNED FROM OVER INVOLVEMENT
Getting involved in organizations at Texas A&M is practically a tradition. There are over 1,000 student organizations on campus with benefits ranging from making new friends to increasing leadership experience. As a bright-eyed freshman and sophomore, I joined so many organizations that it soon took over my life. Although I loved the organizations I was [...]
TOPICS: STUDENT LIFE

OCTOBER 24, 2018
BY: BRITTNEY NELSON
MY HOME AWAY FROM HOME
Ever since I have started college, the National Society of Black Engineers (NSBE) has been my safe haven. This organization has given me the opportunity to meet great people, strengthen my leadership skills, and build my future. On the days I wanted to throw in the towel and give up on engineering, NSBE reminded me that where I was, was where I was supposed to be.
TOPICS: STUDENT LIFE
## AGENDA

<table>
<thead>
<tr>
<th>Time</th>
<th>Student Agenda</th>
<th>Family Agenda</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:15 – 10:45 a.m.</td>
<td>Math Placement Exam</td>
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<td>Student Computing Center (SCC)</td>
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<td>11:00 – 12:00 p.m.</td>
<td>Group Advising Session</td>
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<td>*Please see student Mini Schedule for location.</td>
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<tr>
<td>12:15 – 1:30 p.m.</td>
<td>Lunch</td>
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<tr>
<td>1:30 – 4:00 p.m.</td>
<td>Schedule Building &amp; Registration</td>
<td>Q&amp;A with Academic Dean &amp; Faculty Panel</td>
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<tr>
<td></td>
<td>*Please see student Mini Schedule for location.</td>
<td>*Please see Family Agenda for start time and location.</td>
</tr>
<tr>
<td>3:00 – 4:00 p.m.</td>
<td>Resource Tables</td>
<td></td>
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<tr>
<td></td>
<td>*Conoco Phillips Atrium (ZACH)</td>
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</tbody>
</table>
CONTACT US

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✉️ enadvising@tamu.edu

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snapchat: New_aggie