Through interdisciplinary research by Cockrell School of Engineering Associate Professor Adela Ben-Yakar and College of Natural Sciences Assistant Professor Jon Pierce-Shimomura, faculty are working to reduce the time and cost required to test drugs for Alzheimer’s disease.

AVERAGE ANNUAL STARTING SALARIES, 2010-2011

<table>
<thead>
<tr>
<th>Field</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Engr.</td>
<td>$58,618</td>
</tr>
<tr>
<td>Architectural Engr.</td>
<td>$56,629</td>
</tr>
<tr>
<td>Mechanical Engr.</td>
<td>$72,234</td>
</tr>
<tr>
<td>Biomedical Engr.</td>
<td>$62,420</td>
</tr>
<tr>
<td>Civil Engr.</td>
<td>$57,454</td>
</tr>
<tr>
<td>Electrical Engr.</td>
<td>$66,625</td>
</tr>
<tr>
<td>Environmental Engr.</td>
<td>$66,615</td>
</tr>
<tr>
<td>Chemical Engr.</td>
<td>$72,234</td>
</tr>
<tr>
<td>Petroleum Engr.</td>
<td>$85,442</td>
</tr>
<tr>
<td>Electrical/Electronic</td>
<td>$57,454</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>$65,234</td>
</tr>
</tbody>
</table>

ENROLLMENT FALL 2011

Undergrad Total: 5,548
Undergrad Men: 77%
Undergrad Women: 23%
Undergrad Minorities: 20%
Graduate Total: 2,189
Graduate Men: 80%
Graduate Women: 20%
Graduate Minorities: 5%

Research Developments

Faculty and students conduct research benefitting society in the areas of human health, sustainability and energy. Recent advancements include:

- Reducing the time and cost to finding a cure for degenerative diseases like Alzheimer’s and Parkinson’s.
- Designing wireless video networks that more effectively store, stream and share information.
- Developing new technologies to extract natural gas and oil from the Earth while analyzing the rewards and risks.
- Creating more affordable and longer-lasting batteries for electronics, electric vehicles and large-scale energy storage.
- Perfecting scientific analysis of satellite data to respond faster and more accurately to natural disasters.
- Building customized prosthetics for veterans and troops who want to return to active duty.
- Using powerful super computers to model human blood flow, improve oil and gas recovery, and study the spread of groundwater contamination.

2011–2012 Facts & Impacts

The Cockrell School of Engineering’s 271 faculty, 640 staff and more than 1,900 student employees serve more than 7,700 students enrolled in nine undergraduate and 13 graduate degree programs.

Undergraduate Program Rankings

#11 Overall
#2 Petroleum Engineering
#5 Environmental Engineering*
#6 Civil Engineering
#7 Chemical Engineering
#9 Computer Engineering
#9 Mechanical Engineering
#12 Aerospace/Aeronautical Engineering
#12 Electrical/Electronic Engineering
#16 Biomedical Engineering

Graduate Program Rankings

#8 Overall
#1 Petroleum Engineering
#3 Civil Engineering
#4 Environmental Engineering
#6 Chemical Engineering
#9 Electrical/Electronic Engineering
#10 Computer Engineering
#10 Aerospace/Aeronautical Engineering
#11 Mechanical Engineering
#16 Biomedical Engineering

*Not an official degree program. Courses offered in this area.

Faculty and Student Quality

Senior faculty constitute the fourth highest membership in the National Academy of Engineering, the nation’s highest honor for engineers. Since 2000, 50 junior faculty have received the National Science Foundation’s Faculty Early Career Development award, considered the nation’s top honor for young faculty.

Fall 2011 entering freshmen had an average SAT, or equivalent, score of 1357. Most are from the top 10 percent of their graduating class, and 10 percent were valedictorians or salutatorians.

FACTORIES of Engineering & Engineering Technology Colleges, 2010


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Support Engineering Education

We have a bold vision. To compete for the world’s brightest students who will become tomorrow’s entrepreneurs, business leaders and engineering workforce. To attract visionary faculty. To educate in facilities that reflect Texas engineering excellence. To lead world-changing research that improves lives. Together, through philanthropic investment and alumni engagement, we can achieve these goals.

INSPIRE THE WORLD’S BRIGHTEST STUDENTS

By inspiring the world’s brightest graduate students, the Cockrell School will cultivate tomorrow’s visionary researchers, entrepreneurs and leaders of our future engineering workforce. Fully-funded graduate student fellowships enable the Cockrell School to compete with America’s top engineering programs and further our vision to become a top-five nationally ranked school in the country.

INSPIRE FACILITIES EXCELLENCE

Investment in the school’s Master Facilities Plan will provide open learning spaces for student instruction and hands-on projects, foster collaborative and interdisciplinary research and provide students and faculty with state-of-the-art classrooms and laboratories.

INSPIRE VISIONARY FACULTY

Growing professorship and chair endowments to recruit leading faculty on the forefront of their disciplines enables the Cockrell School to educate and train the highest quality workforce and compete for the brightest graduate students. Private support has enabled the Cockrell School to hire 14 new faculty across all seven departments in 2011-2012.

INSPIRE WORLD-CHANGING RESEARCH

With the ability to react nimbly to pressing initiatives and promising research, the Cockrell School can encourage interdisciplinary collaboration. “Opportunity for Excellence” endowments seed new research, support student research projects and fund student scholarships.

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Career Assistance Center, (512) 471-1915
Engineering Foundation/Alumni, (512) 471-3395
Friends of Alec, (512) 471-4080
WWW.ENGR.UTEXAS.EDU/CONTACT

2011-2012 Facts & Impacts Continued…