

THEY ARE
PEOPLE
WHO DEAL IN
BIG IDEAS

SMU LYLE SCHOOL OF ENGINEERING



THE BOBBY B. LYLE SCHOOL OF ENGINEERING at SMU in Dallas will educate engineers to be leaders and creative thinkers, prepared to take the most profound challenges confronting society and our planet. In addition to receiving the best technical education, our students are equipped with skills to be strategic thinkers, effective communicators and innovators in preparation for positions of leadership in a range of fields. To those who dare to think boldly, the Lyle School ignites powerful minds to tackle problems that matter. Future engineers must assume greater roles in shaping society, they must have a deeper understanding of the world in which they live and they must bring a new passion and sense of activism to the most pressing problems of our day – wherever these challenges are found.

Our Lyle Engineering students think big. They make history, break down barriers and change minds. They study the past to shape the future. They see challenges as opportunities. They are innovators, researchers, creators, leaders, explorers, visionaries.

THEY ARE
ENGINEERS



THEY ARE INNOVATORS

"SMU HAS MANY CLUBS AND ORGANIZATIONS that push engineering students to think outside the box. This gives students unique opportunities to work on large-scale projects with their peers in other engineering disciplines and creates a great atmosphere for sharing and innovating."

VICTORIA COHEN
Engineering Management,
Information and Systems

Minds over matters. It's how we describe the philosophy behind the academic programs at the Lyle School of Engineering. Our curriculum was created to provide the best and broadest development for future engineers who will deal with the biggest issues of our time. Because engineers face constantly evolving challenges, our traditional engineering courses are combined with a growing list of new offerings. The new Lockheed Martin Skunk Works® Program at the Lyle School employs a process for developing innovative approaches and designs developed by the iconic and top secret research lab at Lockheed Martin. At the Lyle School, we are aggressively preparing students to be tomorrow's leaders and innovators.

ABOUT LYLE ENGINEERING

- 20 undergraduate degree programs
- 30% of engineering students earn a second major outside of engineering
- 4+1 accelerated Master's degree program
- Faculty members have doctorates from institutions such as Caltech, Carnegie Mellon, Stanford and SMU
- 11:1 student-faculty ratio
- 600 undergraduate students



THEY ARE RESEARCHERS



"AFTER GRADUATION I PLAN to go to medical school and become either an orthopedist or a cardiologist. My engineering degree will prepare me for both of these specialties. It's rewarding that the research I participate in at SMU as an undergraduate will help improve the quality of life for patients and make health care better all around."

RYAN HORTON
Mechanical Engineering with
Premedical Specialization

The Lyle School's strength is anchored in our ability to create new knowledge and discover new technologies that will impact the world in beneficial ways. Our research centers provide answers to the critical questions of today and tomorrow. The Information Assurance and Security Center preserves the integrity and security of our digital economy and emerging online communities. The Engineering and Global Development Center develops revolutionary technologies that aid disadvantaged communities across the globe. The Systems and Software Engineering Center makes a science of complex system design from defense to health care. The Research Center for Advanced Manufacturing searches for new and innovative ways to approach issues like fast prototyping.

WHERE WE ARE

- Dallas area is fourth most populous metropolitan area in U.S.
- No. 1 location for headquarters of publicly traded companies
- Home to nearly half the state's technology workforce
- Rated a "Top Wired" city
- About 40,000 alumni live and work in North Texas



THEY ARE CREATORS



"SMU HAS TAKEN NOTICE OF A MAJOR ISSUE IN TODAY'S WORLD, the need for green buildings. They have become a leader in building more energy-efficient and environmentally friendly facilities. They are a reminder that any problem has alternate solutions."

DARIUS TAVASOLI
Electrical Engineering

Technologically advanced buildings, classrooms and laboratories are essential components of a first-class engineering education. The Lyle School is one of the few engineering schools in the United States with entirely new, state-of-the-art facilities. The school has been able to undertake construction of three new buildings within the past seven years and has added expanded laboratory space that features the latest technology and architectural features designed to facilitate collaboration and reduce environmental impact. Our facilities are a competitive advantage as we seek the most talented faculty and students from across the world, and we will support constant reinvestment in laboratory and research space to remain at the leading edge of scientific exploration.

LYLE ENGINEERING FACILITIES

- Junkins, Embrey and Caruth buildings form the Engineering Quadrangle
- Two green buildings built to meet Leadership in Energy and Environmental Design standards, among the first on a college campus
- 35 high-tech student laboratories
- Partnership with the Lockheed Martin Skunk Works® Lab



THEY ARE

LEADERS



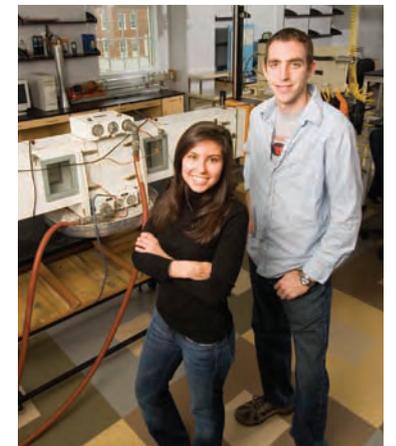
"THROUGH THE LYLE SCHOOL'S ENGINEERING LEADERSHIP COURSES, I have developed and honed my skills as a leader on campus and in the field of engineering. There are also department seminars that showcase innovations by students, which encourage students to continuously dream 'big ideas'."

CEENA HALL
Electrical Engineering
and Mathematics

We are serious about providing students with an educational experience that spans beyond the classroom and leads to the development of a well-rounded engineer. One way we do that is through our Center for Engineering Leadership, which arms students with the skills necessary to assume key roles in a range of technical, entrepreneurial and corporate environments. The Center's Cooperative Education Program partners with more than 800 technical and engineering businesses in the area to provide work experiences for our students and give them the opportunity to interact with industry professionals and gain real-world perspectives. Our programs help young engineers develop the ability to articulate bold visions, chart new directions and inspire their colleagues.

CLASSROOM TO THE BOARDROOM

- 80% of engineering students graduate with professional experience from internship or co-op
- Recent graduates admitted to MIT, Harvard, Princeton and Stanford for graduate and professional studies
- The Lyle Engineering and the City participants perform community service projects



THEY ARE EXPLORERS



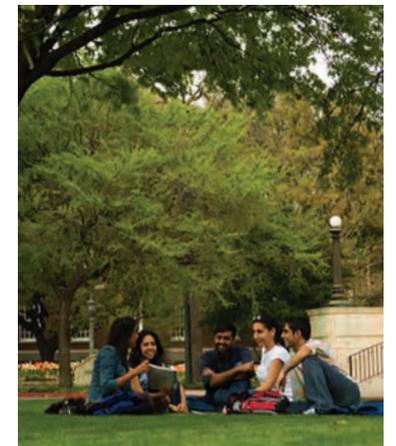
"SMU'S LYLE SCHOOL PREPARES STUDENTS inside and outside the classroom. The teaching and coursework have given me the confidence to tackle today's problems. My big ideas can make the difference. Professors not only teach us relevant information about the world around us, but also how to communicate that knowledge to others."

STEFANIE TRACY
Civil Engineering

At the Lyle School, we strive to develop engineers who are prepared to take on the most profound challenges confronting society and our planet. To create these well-rounded individuals it is important to give students opportunities to explore the world outside of SMU. Through student groups like Engineers Without Borders, which recently traveled to Mexico in an effort to provide technology to communities without drinking water, to our participation in the University's Education Abroad program, we strive to broaden the global perspective of our students. Lyle School co-op students are employed in the U.S., Europe and the Middle East, including a group who recently worked for a U.S.-based corporation's information technology facility in Krakow, Poland.

CITIZENS OF THE WORLD

- 30% of SMU students study abroad
- SMU offers 32 study abroad programs in 24 countries
- Study abroad programs for summer, fall, spring or entire year
- Special study abroad program in Germany for engineering students
- Mentoring programs with industry leaders



THEY ARE VISIONARIES



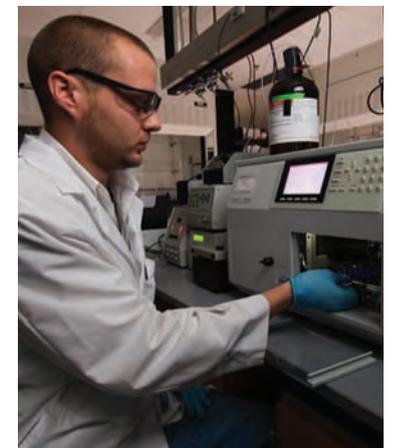
"THE RELATIONSHIP BETWEEN ENGINEERING STUDENTS and professors is awesome. My professors will listen to the individual goals of students so that everyone can pursue their education and achieve a fulfilling life. The professors' assignments are challenging, which push students beyond their own personal goals to set even higher goals for a truly happy life."

MICHAEL LAGE
Computer Science

Change, speed and uncertainty are the challenges we face today. Yet these challenges offer the unique opportunity for talented and creative minds to reshape our world for the better. The Lyle School is made up of visionaries who understand that to change the world, engineering education must be transformed to create the type of engineers capable of bringing about significant positive change. We are at the forefront of what engineering education must be today and in the future, offering the best faculty, some of the most advanced facilities and opportunities for students to develop strong leadership skills. We are committed to producing the most most well-rounded engineering students in the world.

ABOUT SMU

- 6,000+ undergraduate students
- 60% of undergraduate lecture sections have 25 or fewer students
- 12:1 student-faculty ratio
- Students from all 50 states and 92 countries
- Around 180 student organizations
- 17 Division I athletic teams



PROGRAMS

Scholarship Programs

The J. Lindsay Embrey Academic Excellence Scholarship and the Engineering Fellows Scholarship programs were created to reward promising engineering students at SMU. These programs are competitive and based on merit. We often award these scholarships in conjunction with other SMU merit-based scholarships and University financial aid.

Senior Design Projects

Engineering students find real solutions to real problems. Every year, students participate in senior design projects that focus on real-world problems such as the mobility needs of the handicapped or the information needs of local businesses.

Dual Degree Program

Engineering students can combine an engineering degree with any additional degree offered at SMU. In some cases, an additional degree in math or physics can be earned with as few as two additional classes.

Prelegal and Premedical Studies

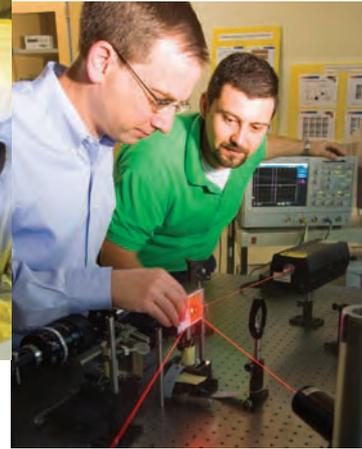
An engineering degree can uniquely prepare a student for further study in law or medicine. Lyle School engineering students can choose degree options with coursework that includes a prelaw or premedical component.

4+1 Accelerated Master's Degree Program

This program allows engineering students to study toward a Bachelor's and Master's degree simultaneously. Both degrees can be earned in less time than completing the degrees separately, often in as few as 21 credit hours beyond the Bachelor's coursework.

Gender Parity Initiative

The Lyle School of Engineering plans to be one of the first engineering schools in the nation to achieve gender parity in its engineering programs. We are already a leader with an undergraduate female enrollment of more than 32 percent, well above the national average of 19 percent.



MAJORS AT THE LYLE SCHOOL OF ENGINEERING

Civil Engineering

Computer Engineering

Computer Engineering with Networking,

Hardware or Software Engineering Specializations

Computer Science

Computer Science with Game Development, Bioinformatics,

Security or Research Specializations

Electrical Engineering

Electrical Engineering with Biomedical, Communications and Signal Processing,

Computer, Microelectronics and Photonics or Telecommunications Specializations

Environmental Engineering

Environmental Science with Engineering Emphasis

Management Science

Mechanical Engineering

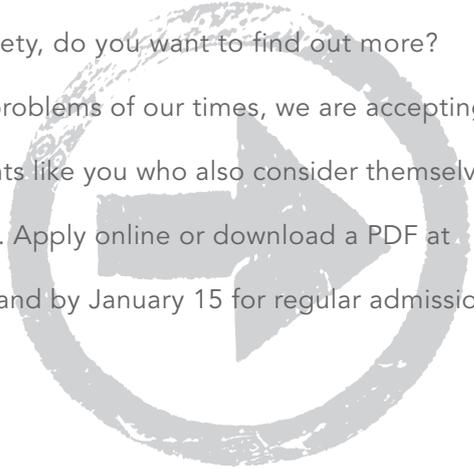
Mechanical Engineering with Engineering Management and Entrepreneurship

or Manufacturing Specializations

All programs have premedical and biomedical options.

We appreciate the intelligence, creativity and diverse interests of our students. Now that you have seen how the Lyle School is creating engineers who will become the leaders of tomorrow in our technologically advancing society, do you want to find out more?

If you are ready to tackle the most challenging problems of our times, we are accepting applications from academically promising students like you who also consider themselves leaders, creators, explorers and problem solvers. Apply online or download a PDF at smu.edu/apply by November 1 for early action and by January 15 for regular admission and merit-based scholarship consideration.



CONTACT:

Undergraduate Admission
214-768-3041
lyle.smu.edu
enrollment@lyle.smu.edu

Southern Methodist University
PO Box 750339
Dallas, TX 75275

