Selective admission standards and strategic recruiting yield one-third of all high school valedictorians at UT, 40% of all UT Honors students; and freshman averages of 3.7 high school GPA and 26 ACT (84th percentile nationally). Three consecutive record enrollments and eight years of growth have led to over 3,000 undergraduates enrolled today. Over 100,000 math and science students in over 1,300 high school visits during the last decade have learned about engineering careers as part of the College’s outreach efforts.

More than 85% freshman to sophomore retention rate – a 35% increase since the early ‘90s.

A year of fully-integrated co-op experience for every engineering undergraduate student (one of only eight such programs in the U.S.) – more than 14,000 placements at 1,900+ employer sites in 42 states and 38 countries.

Ranked 18th in the nation for graduate engineering programs by The Princeton Review and, also in the top 50 in the nation for its online engineering graduate programs by the U.S. News and World Report.

Total external research funding reached a new record of $16 million in the last fiscal year.

We recruit a graduating class... not a freshman class.™
Courses in engineering were among the first established at The University of Toledo, which was founded in 1872 as The Toledo University of Arts and Trades. In fact, until 1904 the courses offered in the University were mainly those which would now be considered those of the first two years in engineering. The College of Industrial Science was established in 1910 as the precursor of the present College of Engineering. Thus, the fundamental engineering courses at The University of Toledo have over 140 years of history behind them.

In 1929, Delos M. Palmer was named coordinator and led the creation of a separate College of Engineering in 1931. He was named Dean following the graduation of the first four-year class from the new college in 1933.

Our mission is to achieve prominence as a student focused College of Engineering that educates engineers of recognized quality to be leaders in engineering disciplines, technology, and society, and that enhances the well-being of our region, State, and Nation through the creation and transfer of new knowledge.

Recognizing the richness inherent in our national diversity, the College encourages participation by all in an atmosphere in which cultural differences are valued as an integral part of the learning experience.

The College is committed to continue building on its tradition of excellence and innovation by preparing engineers of tomorrow and by meeting the challenges of a changing world through education, research, and service to its profession and the community.
ELECTRICAL ENGINEERING & COMPUTER SCIENCE

The EECS department houses two undergraduate programs, electrical engineering (EE) and computer science and engineering (CSE). Both programs are fully accredited by ABET. CSE combines traditional computer science (CS) and computer engineering (CE). We are one of only eight accredited CSE programs in the country, and were the first such program to be accredited.

The UT student chapter of the Association for Computing Machinery (UT-ACM) is the premier student organization for computing and information technology professionals. We are dedicated to promoting interdisciplinary computing, enabling professional development on campus, and promoting computer science as a profession as well as a hobby.

Stop by to see our robot (a work in progress), try out a laptop running Linux, and speak with a couple of ACM members.

Visit ACM’s robot today on the 1st floor of Nitschke Hall
Then stop by for Refreshments in North Engineering room 1016, the EECS Student Lounge

University of Toledo Engineering Council

UTEC is comprised of undergraduate and graduate student leaders within the College of Engineering who fulfill our mission statement by:

- Providing a public forum for students and student organizations within the College of Engineering to express their ideas, suggestions, and complaints.
- Enhancing the experience of the students and student organizations within the College of Engineering.
- Facilitating cooperation between the students, student organizations, and faculty/staff within the College of Engineering.

We accomplish these objectives through regular event programming targeted at bridging the gap between these groups and recognizing the work of the outstanding engineering students. Feel free to browse the website more information about the council, the student organizations we represent, and what’s happening on UT's Engineering Campus.

The First Year Rocket Engineer Organization is an organization that provides opportunities for Freshman Engineering students to get involved at UT. FYRE takes part in a variety of different events including participating in fundraising community service projects, going on field trips, hosting speakers for professional development and creating other Engineering events. FYRE is a great opportunity for freshman to get involved on campus and take leadership roles.
Established in 1997 the Department of Bioengineering strives to offer the most student-centered undergraduate and graduate Bioengineering programs in the country. Our faculty are fully engaged with the students and we recently implemented a peer mentoring program for our first year undergraduates.

Our department is home to some of the best research programs in selected areas, such as the biomechanics of the spine, energy production from biomass and the development of chemical and biological sensors. In the area of spine research, the department now has two endowed professorships. We are continuing to hire new faculty in these research areas and the department's research profile is expected to grow.

Did you know that, graduating Bioengineering class has grown over 4-fold in the last decade? We will have over 60 students who will become alumni this year. Come and see how the department has changed to accommodate the growing enrollment.

UTSPE was founded the third week of the spring semester in 2013. Throughout the spring semester, we went to the e-week banquet, as well as hosted a joint meeting between UTSPE and the Toledo Society of Professional Engineers (TSPE). UTSPE also attended TSPE monthly events in the same semester, and wrote up the constitution. We went from the beginning of the semester, having no members, to having over ten members before the semesters end.

TSPE awarded two scholarships to members of UTSPE, and we continued to attended more TSPE monthly events. We were also given the privilege of a touring Toledo Testing Laboratory, hosted by Chris Iott, treasurer of TSPE. By the end of fall 2013 semester, member count increased to 35, the highest gross UTSPE had in over 20 years.

This spring semester, we again went to the e-week banquet, where we sold raffle tickets to help fund some TSPE scholarships. We are also planning on again hosting a joint meeting between UTSPE and the TSPE soon. In the near future, we will be reaching out to the only other student chapter of Society of Professional Engineers in Ohio, Miami University. To wrap up the semester, we plan to help out at the Ohio Society of Professional Engineers annual meeting, hosted by TSPE, which will be in June 12th-15th at the Park Inn in Toledo.
MECHANICAL, INDUSTRIAL AND MANUFACTURING ENGINEERING

Our M.I.M.E. department offers comprehensive degree programs at the bachelors, masters, and doctoral levels. All department offices, laboratories, and classrooms are now located in a three building College of Engineering complex.

We place equal emphasis on both fine instruction and scholarly research. Our enthusiastic and committed faculty take an active role in classroom instruction and curriculum development. We are proud of our excellent labs, up-to-date computer lab equipment and a highly trained and committed technical and professional staff to assist our students and faculty.

The University of Toledo Formula SAE team designs, builds, and competes in an open wheeled formula style racecar every year. The car is completely student led; meaning everything from the design, testing, and driving is all done by students here at UT. This year marks the 20th car built by the University of Toledo and a great deal of design improvements and technological advances have been made along the way. Our main competitions this year are Formula SAE Michigan, Formula North, and Formula SAE Lincoln.

Visit the FSAE’s 2013 car in their shop - NE 1031 and weather permitting, the 2014 car in the parking lot south of Palmer Hall.

Then stop by for Refreshments in North Engineering room 1049 The M.I.M.E. Student Lounge

Biomedical Engineering Society BMES strives to foster a family-like environment among bioengineers and those interested in biomedical applications of engineering. Each semester we host social, professional, and service events to grow this bond. Some of our previous events include TED talk Tuesdays, Life After Engineering, BMES trips to Imagination Station and our yearly spring picnic.

Visit BMES today in North Engineering Room 630

Then stop by for Refreshments in Palmer Hall 1020

The Bioengineering Student Lounge
CHEMICAL ENGINEERING

The Chemical Engineering Department was established in 1946. Since its inception, the Department has had three homes. Initially housed in University Hall with laboratories in the old field house, it moved into the old Engineering Science building in 1960. In 1995, the Department moved into its current home: a $21 million multi-building complex that houses faculty offices, undergraduate laboratories, graduate laboratories, computer laboratories, and classrooms. Even if you graduated after 1995, we believe you will find many changes to the place you called home for 4+ years!

Our department has experienced unprecedented growth. Since the 2007-8 academic year, our undergraduate enrollment has increased from ~200 to ~300 and the number of graduates from ~20 to ~50. This growth has come while maintaining a direct from high school cohort with a GPA of 3.7+, composite ACT score of 27, and numerous class valedictorians.

We are especially proud of the accomplishments of our graduates. You will meet UT graduates in companies as diverse as Toledo Refining Company, BP, Marathon, Lubrizol, Tesla, Plastics Technologies Inc., General Mills, Kimberly Clark, BASF, Procter and Gamble, Air Products, Llamasoft, First Solar, Babcock and Wilcox, and the Cleveland Clinic. Our graduates have been recognized as Tau Beta Pi Scholars, formed non-profits, received a wide range of scholarships, competed in the National AIChE ChemE car competition, and garnered eye-popping starting salaries. We are proud of our faculty too; who are global leaders in biomass processing to fuels and materials, plastics and packaging technology, and membrane processes for water purification and carbon dioxide capture.

We would love to share with you the great things happening in the department and learn about your post-UT life.

AREMA

The University of Toledo’s American Railway Engineering Maintenance-of-way Association Student Chapter (UT AREMA) is one of UT’s newest Engineering Student Organizations. Our goal is to help UT students learn about and make connections with railroads, and the railroad industry. With an estimated 1/3 of the entire railroad industry retiring in the next 10-15 years, getting involved in the railroad industry is definitely worth looking into for everyone. Railroads and many other associated companies are actively looking for Civil, Mechanical, Computer and Electrical Engineers as well as all of the Engineering Technology Majors.

Our Track Speeder Team (TST) has been hard at work trying to restore a long list of equipment we have since bought/leased/acquired.

Our goal is to continue to grow and develop over the next year. We hope to reach out and get many more students involved. In addition, we will continue to try and meet more friends and sponsors throughout the industry.

http://sites.google.com/site/utaremaswebpage/

Visit AREMA’s Speeder in the Engineering Courtyard

Engineering Technology

The Department of Engineering Technology has relocated from the Scott Park Campus to North Engineering. The faculty offices, labs and student support service now occupy completely renovated space. Take a self-guided tour of the space and stop into the ET Student Lounge to meet old friends. North Engineering room 1340
Engineers Without Borders is a non-profit organization based on service learning and experiential learning. They have around 30 student members that work on engineering-related projects with communities in developing countries. In 2009, EWB completed a water distribution project with the community of Los Sanchez, Honduras. They are currently working on a bridge project in that same community and working with another nearby community for a water distribution project. They plan to finish both of these projects over the summer.

The National Society of Black Engineers (NSBE), is the largest student run organization throughout the nation. NSBE’s mission statement is "to increase the number of culturally responsible black engineers who excel academically, succeed professionally and positively impact the community."

- The Society of Women Engineers - SWE gives women engineers a unique place and voice within the engineering industry. Our organization is centered around a passion for our members' success and continues to evolve with the challenges and opportunities reflected in today's exciting engineering and technology specialties

Visit with these groups today on the 1st floor of Nitschke Hall

The American Institute of Chemical Engineers (AIChE) is the world’s leading organization for chemical engineering professionals. The University of Toledo chapter focuses on networking with faculty and professionals in industry, developing relationships between students, and valuable work experience on the Chem-E-Car project. This venture implements several aspects of engineering such as chemical, mechanical, and electrical to design a small motorized vehicle that runs on a chemical reaction and stops at a designated distance. The project is a great way to apply the principles introduced in the classroom to this real life task. The University of Toledo chapter of AIChE won first place at the 2013 Regional Conference Chem-E-Car Competition and will act as the defending champion at the upcoming Regional Conference on April 11th and 12th.

Visit AIChE’s Chem-E-Car today in Nitschke Hall 1070
Then stop by for Refreshments in Nitschke Hall 1050
The Chemical Engineering Student Lounge

Chem-E Wine Tasting
The manufacture of wine is a chemical engineering process consisting of multiple unit operations including filtration, batch reaction, and heat transfer. Come learn more about the engineering of wine and taste a selection of chardonnays (that reflect the finest products produced in both French and California styles) personally selected by Professor Glenn Lipscomb for your enjoyment.

Begins at 4pm in the Thomas and Elizabeth Brady Engineering Innovation Center.
CIVIL ENGINEERING

The Department of Civil Engineering is a great place to be, and the experiences and opportunities are unmatched. Our greatest distinguishing factor is our ability to allow our students to take what they learn in the classroom and apply it in the outside world. Ongoing and past research opportunities (such as assessing the Maumee Bay Bridge; developing plans to get rid of pot holes in Ohio roads; and developing infrastructure locally and abroad) have given our students the competitive advantage to succeed while in college and in the job market. The research of our faculty is supported by government and industrial funding agencies. You are going to work with faculty who are developing new knowledge in the area of civil engineering.

A curriculum in Civil Engineering was developed in 1946, headed by Edwin L. Saxer. He served as the first chairman of the new Department of Civil Engineering until 1972. The undergraduate program first became accredited in 1950 and has continued to be an accredited program by ABET. The first Master of Science in CE was awarded in 1953 and the first PhD in 1974.

ASCE is currently a student organization with approximately 45 members. We have a few focuses as an organization; volunteering, tours and speakers, and the concrete canoe. We have done a variety of volunteer activities in the last year including; staining sheds at The Toledo Zoo, planting trees at Black Swamp, and cleaning the rivers and streets in the Toledo Area. ASCE is currently going for the Presidential Volunteer Service Award, we are going for over 1000 hours of volunteering. As for tours and speakers, we have had several tours of Water Basin projects in the area, The Toledo Zoo’s Aquarium renovation project, and the I-280 Bridge. We have had several local professionals and professors come in and talk about a variety of projects including; the I-280 Bridge, Estimating, Geo-technical projects, Research Projects, Career Development and many more. ASCE also works on the Concrete Canoe every year and competes against other schools in the region, UT-ASCE has learned much in the last few years by attending the competition and have made many improvements to the canoe structurally, concrete mix design, and also aesthetically.

Visit ASCE’s Concrete Canoe today in Nitschke Hall 1074
Then stop by for Refreshments in Nitschke Hall 1077
The Civil Engineering Student Lounge