

# YOUR Major Action Plan: Engineering



What is YOUR passion?	1st YEAR	2nd YEAR
Designing new technologies. Problem Solving. Road and bridge design Structural design Robotics and Automation Electronics Design	<b>YOUR Target Courses</b> - Complete at least 30 credit hours, including the FYS 1100 course. - See Faculty Academic Advisor to discuss your desired major and concentration, Grade Point Average (GPA) requirements, <a href="#">Academic Advising Guide</a> , and file your degree plan. - Discuss, explore and choose your Engineering discipline. - Civil Engineering (CVEN)      - Environmental Engineering (EVEN) - Electrical Engineering (ELEN)   - Mechanical Engineering (MEEN) ** If MATH 2414 and PHYS 2425 are not completed by the end of year 1, it is strongly recommended that you complete these as summer courses to stay on track.	- See Engineering Faculty Advisor each semester to be advised prior to registering for classes. - Complete at least 30 credit hours, including key pre-requisites dependent upon your discipline, including but not limited to: - CVEN—CVEN 2310, ENGR 2321, CVEN 3423, ENVE 3400 - ELEN—MATH 3306, ELEN 2425, ELEN 2448 - ENVE—ENGR 3311, ENVE 2310, ENVE 24510, ENVE 3400 - MEEN—MATH 3306, ENGR 2321, ENGR 2322, ENGR 2324 ** If MATH 3343 (Cal 3) is not completed by the end of year 2, it you are encouraged to complete this as summer courses to finish your math foundation.
Clean water systems Clean energy systems Computer system design Aerospace systems  <b>Industry &amp; Consulting</b>	<b>Find YOUR Way</b> - Attend <a href="#">Study Skills</a> sessions for additional assistance with acclimating the first year. - Attend or use <a href="#">Academic Resource Center Coaching</a> , <a href="#">Math Clinic</a> , <a href="#">tutoring options</a> , and <a href="#">Writing Center</a> . - Meet with your Engineering Peer Mentor for your ENGR 1211/1212 class. - Know the <a href="#">FAFSA</a> and <a href="#">Scholarship deadlines</a> each year and submit these! - Explore student groups and organizations in your major or area of interests through <a href="#">TexanSync</a> . - Engineering Club      - Professional Society Student Chapters - Seek help from <a href="#">Student Counseling Center</a> for home sickness, depression or other issues. - Feeling ill? Visit <a href="#">Student Health Services</a> for physical health related concerns. - Undecided about your major? Want to learn more about different career options? Take advantage of <a href="#">career counseling and career assessments</a> through Career Services.	- Explore participating in undergraduate research opportunities with Engineering Faculty. - Explore available <a href="#">Applied Learning Experiences (ALE)</a> such as internships, research, study abroad, service learning or leadership experiences. - Explore student groups and organizations in <a href="#">TexanSync</a> in your major or hobby areas. - Engineering Club - Professional Society Student Chapters
Lockheed Martin Luminant Raytheon Merrick and Co.	<b>Sharpen YOUR Skills</b> - Start researching the <a href="#">marketable skills</a> that employers are seeking. - Get involved in <a href="#">Service Day</a> and Tarleton Roundup. - Apply to be a <a href="#">Residential Leader (RL)</a> or Tarleton Transition Mentor (TTM) - Run for <a href="#">Freshman Representative Council</a> with SGA (Student Government Association). - Look into <a href="#">Greek Organizations</a> to network and build community. - Schedule a meeting with a department representative to explore study away and study abroad experiences and department-sponsored service learning projects.	- Seek out volunteer and service learning opportunities in your area through <a href="#">Volunteer Match</a> or <a href="#">United Way</a> to give back to the community and build marketable skills for future employment. - Attend events offered by <a href="#">The Office of Diversity and Inclusion</a> and <a href="#">Fine Arts Center</a> for cultural and diversity awareness. - Participate in <a href="#">Alternative Spring Break</a> . - Run for <a href="#">Student Government Association</a> . - Seek out summer internship opportunities with a faculty mentor or advisor.
TxDOT TCEQ Kimley-Horn ARCADIS	<b>YOUR Next Steps</b> - Check out part-time jobs in <a href="#">Career Services employment system</a> to gain work skills to begin building your resume. - Attend <a href="#">job and graduate school fairs</a> to explore possible future opportunities. Make a <a href="#">good first impression with your attire</a> . - Investigate the type of lifestyle, salary and occupation you would like to have through Texas <a href="#">Reality Check</a> tool (powered by Texas Workforce Commission). - Learn more about your student loan debt, budgeting and much more through <a href="#">SALT</a> .	- Explore <a href="#">career opportunities</a> within your major. - Convert your high school resume in to a pre-professional <a href="#">resume</a> with help from Career Services and your engineering faculty. - Get to know your instructors to establish professional references and explore research opportunities and internships. - Ask <a href="#">Career Services</a> how to conduct a job shadow. - Create your online portfolio through <a href="#">Portfolioium</a> . Consult with Career Services or your Faculty Advisor on items to include.

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Graduate Placement		3rd YEAR	4th YEAR
<b>Grad School</b>  Texas A&M  Texas Tech	YOUR Target Courses	<ul style="list-style-type: none"> <li>- See Engineering Faculty Advisor to be advised prior to registering each semester.</li> <li>- Explore Senior Capstone Project ideas and opportunities.</li> <li>- Complete at least 30 credit hours to ensure timely graduation</li> </ul>	<ul style="list-style-type: none"> <li>- See Engineering Faculty Advisor to review your degree audit to ensure a timely graduation.</li> <li>- Complete remaining credit hours.</li> </ul>
Oklahoma Univ.  UNT  UT-Dallas  Univ. of Colorado	Find YOUR Way	<ul style="list-style-type: none"> <li>- Consider participating in undergraduate research opportunities with Engineering Faculty.</li> <li>- Explore available <u>Applied Learning Experiences</u> (ALE) such as internships, research, study abroad, service learning or leadership experiences.</li> <li>- Participate in an internship. Suggested resources for internships can be found on the ENCS department billboard, <u>Career Service's employment system</u> or the <u>College Internship Program's website</u>.</li> <li>- Conduct informational interviews and talk to professionals working in your fields of interest.</li> <li>- Take part in the <u>Official Ring Ceremony</u>.</li> </ul>	<ul style="list-style-type: none"> <li>- Explore participating in undergraduate research opportunities with Engineering Faculty.</li> <li>- Explore available <u>Applied Learning Experiences</u> (ALE) such as internships, research, study abroad, service learning or leadership experiences.</li> <li>- Participate in <u>TAMUS Engineering Career Fair</u>.</li> </ul>
	Sharpen YOUR Skills	<ul style="list-style-type: none"> <li>- Explore student organizations in <u>TexanSync</u> in your major.                             <ul style="list-style-type: none"> <li>- Engineering Club</li> <li>- Professional Society Student Chapters</li> </ul> </li> <li>- Consider taking on leadership roles within your student organizations and clubs.</li> <li>- Seek out volunteer and service learning opportunities such as <u>All For Good</u> <ul style="list-style-type: none"> <li>-give back to the community</li> <li>-build marketable skills for future employment.</li> </ul> </li> <li>- Become an <u>Academic Resource Center– Coach Leader</u> (ARC-C Leader)</li> </ul>	<ul style="list-style-type: none"> <li>- Explore student organizations in <u>TexanSync</u> in your major.                             <ul style="list-style-type: none"> <li>- Engineering Club</li> <li>- Professional Society Student Chapters</li> </ul> </li> <li>- Consider taking on leadership roles within your student organizations and clubs.</li> <li>- Seek out volunteer and service learning opportunities such as <u>All For Good</u> <ul style="list-style-type: none"> <li>-give back to the community</li> <li>-build marketable skills for future employment.</li> </ul> </li> </ul>
Explore more occupations and occupation groups through the <u>Occupational Outlook Handbook</u> powered by the Bureau of Labor and Statistics.	YOUR Next Steps	<ul style="list-style-type: none"> <li>- Meet with a Career Services staff member to plan your <u>job-search campaign</u>, schedule <u>mock interviews</u>, resume critiques, and a <u>Business Etiquette Dinner</u>.</li> <li>- Consider graduate school and application deadlines or employment.</li> <li>- Create a <u>LinkedIn</u> profile to further your professional networking.</li> <li>- Check the <u>Career Services calendar</u> for career development workshops.</li> <li>- Investigate graduate schools and attend the Open House for <u>TSU Graduate Studies</u>.</li> <li>- Need to get more experience and skills? Check out <u>CareerOneStop.org</u> sponsored by the US Department of Labor.</li> </ul>	<ul style="list-style-type: none"> <li>- <b>File for GRADUATION!</b></li> <li>- Update your resume in <u>Career Service's employment system</u>, Portfolium and LinkedIn.</li> <li>- Compile reference letters, awards, etc.</li> <li>- Research potential employers, seek out networking opportunities, apply for available positions, and prepare for potential interviews.</li> <li>- Attend <u>job fairs</u> and <u>dress professionally</u>.</li> <li>- Consider and review various job offers. Reflect on information needed to <u>negotiate a salary</u> if needed.</li> <li>- Graduate! Congratulations!</li> <li>- Join the <u>Tarleton Alumni Association</u> to stay connected to the University. <b>BLEED PURPLE!</b></li> </ul>