

YOUR Major Action Plan: Engineering Majors

Updated February 2018



What is YOUR passion?	1st YEAR	2nd YEAR
<p>Making the world a better place.</p> <p>Designing new technologies.</p> <p>Problem Solving.</p>	<p>YOUR Target Courses</p> <ul style="list-style-type: none"> - Successfully complete FYS course. - See Engineering Faculty Advisor to be advised and update your 8 Semester plan. - Discuss, explore, and choose your Engineering discipline. <ul style="list-style-type: none"> - Civil Engineering (CVEN) - Environmental Engineering (ENVE) - 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. 	<ul style="list-style-type: none"> - See Engineering Faculty Advisor to be advised and update your 8 Semester plan. - Successfully complete key pre-requisites dependent upon your discipline, including, but not limited to: <ul style="list-style-type: none"> - CVEN—CVEN 2312, ENGR 2321, CVEN 3423, ENVE 3300 - ELEN—MATH 3306, ELEN 2425, ELEN 2448 - ENVE—ENGR 3311, ENVE 2310, ENVE 2450, ENVE 3300 - MEEN—MATH 3306, ENGR 2321, ENGR 2322, ENGR 2324 - If MATH 3343 (Cal 3) is not completed by the end of year 2, you are encouraged to complete this as a summer course to finish your math foundation.
<p>Road and bridge design</p> <p>Structural design</p> <p>Robotics and Automation</p> <p>Electronics Design</p> <p>Clean water systems</p>	<p>Find YOUR Way</p> <p>Succeed!</p> <ul style="list-style-type: none"> - Attend <u>Study Skills</u> sessions for additional assistance with acclimating the first year. - Attend or use <u>Supplemental Instruction (SI)</u>, <u>Math Clinic</u>, <u>Science Clinic</u>, <u>Tutoring</u>, and <u>Writing Center</u>. - Meet with your Engineering Peer Mentor for your ENGR 1211/1212 class. - Know the <u>FAFSA</u> and <u>Scholarship deadlines</u> each year and submit these! <p>Connect!</p> <ul style="list-style-type: none"> - Explore student groups and organizations in <u>TexanSync</u> in your major or hobby areas. <ul style="list-style-type: none"> - Engineering Club - Professional Society Student Chapters <p>Be Healthy!</p> <ul style="list-style-type: none"> - Seek help from <u>Student Counseling Center</u> for home sickness, depression, or other issues. - Feeling ill? Visit <u>Student Health Services</u> for physical health related concerns. <p>Find Your Way.</p> <ul style="list-style-type: none"> - Undecided about your major? Want to learn more about different career options? Take advantage of <u>career counseling and career assessments</u> through Career Services. 	<p>Engage!</p> <ul style="list-style-type: none"> - Explore participating in undergraduate research opportunities with Engineering Faculty. - Explore other Applied Learning Experiences (ALE) such as internships, study abroad, service learning or leadership experiences. <p>Connect!</p> <ul style="list-style-type: none"> - Explore student groups and organizations in <u>TexanSync</u> in your major or hobby areas. <ul style="list-style-type: none"> - Engineering Club - Professional Society Student Chapters
<p>Clean energy systems</p> <p>Computer system design</p> <p>Aerospace systems</p>	<p>Sharpen YOUR Skills</p> <ul style="list-style-type: none"> - Start understanding the <u>marketable skills</u> that employers are seeking. - Get involved in <u>Service Day</u> and Tarleton Roundup. - Apply to be a <u>Residential Leader (RL)</u> or Tarleton Transition Mentor (TTM). - Run for <u>Freshman Representative Council</u> with SGA (Student Government Association). - Look into <u>Greek Organizations</u> to build networks and community. 	<ul style="list-style-type: none"> - Seek out volunteer and service learning opportunities in your area through <u>Volunteer Match</u> or <u>United Way</u> to give back to the community and build marketable skills for future employment. - Get more familiar with events offered by <u>The Office of Diversity and Inclusion</u>, <u>Fine Arts Center</u> for cultural and diversity awareness. - Participate in <u>Alternative Spring Break</u>. - Run for <u>Student Government Association</u>. - Seek out summer internship opportunities with a faculty mentor or advisor.
<p>Explore more occupations and occupation groups through the <u>Occupational Outlook Handbook</u> powered by the Bureau of Labor and Statistics.</p>	<p>YOUR Next Steps</p> <ul style="list-style-type: none"> - Check out part-time jobs in <u>Career Services employment system</u> to gain work skills to begin building your resume. - Attend <u>job and graduate school fairs</u> to explore possible future opportunities. Be sure to make a <u>good first impression with your attire</u>. - Investigate the type of lifestyle, salary and occupation you'd like to have through Texas <u>Reality Check</u> tool (powered by Texas Workforce Commission). - Learn more about your student loan debt, budgeting and much more through <u>SALT</u>. 	<ul style="list-style-type: none"> - Explore <u>career opportunities</u>. - Develop your pre-professional <u>resume</u> with help from Career Services and your engineering faculty. - Get to know your instructors to develop professional references and explore research opportunities and internships.

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Graduate Placement	3rd YEAR	4th YEAR
Industry & Consulting Lockheed Martin Luminant Raytheon	YOUR Target Courses - See Engineering Faculty Advisor to be advised and update your 8 Semester plan. - Explore Senior Capstone Project ideas and opportunities. - Complete all courses successfully to ensure timely graduation.	- See Engineering Faculty Advisor to be advised and update your 8 Semester plan. - Complete all courses successfully to ensure timely graduation.
Merrick and Co. TxDoT TCEQ Kimley-Horn ARCADIS	Engage! - Explore participating in undergraduate research opportunities with Engineering Faculty. - Explore other Applied Learning Experiences (ALE) such as internships, study abroad, service learning or leadership experiences - Participate in an internship. Suggested resources for internships can be found on the ENCS department billboard, Career Service's employment system , or the College Internship Program's website . - Conduct informational interviews and talk to people who are working in fields of interest to you. - Take part in the Official Ring Ceremony .	Engage! - Explore participating in undergraduate research opportunities with Engineering Faculty. - Explore other Applied Learning Experiences (ALE) such as internships, study abroad, service learning or leadership experiences. - Participate in TAMUS Engineering Career Fair .
===== Grad School Texas A&M Texas Tech	Sharpen YOUR Skills - Explore student organizations in TexanSync in your major. - Engineering Club - Professional Society Student Chapters - Consider taking on leadership roles within your student organizations and clubs. - Seek out volunteer and service learning opportunities such as All For Good . - Give back to the community - Build marketable skills for future employment	- Explore student organizations in TexanSync in your major. - Engineering Club - Professional Society Student Chapters - Consider taking on leadership roles within your student organizations and clubs. - Seek out volunteer and service learning opportunities such as All For Good . - Give back to the community - Build marketable skills for future employment.
Oklahoma Univ. UNT UT-Dallas Univ. of Colorado	YOUR Next Steps - Plan your job-search campaign by meeting with a Career Services staff member or Faculty Advisor for assistance and mock interviews , resume critiques and a Business Etiquette Dinner to continue building your professional skills. - Consider graduate school and application deadlines or employment. - Compile reference letters, awards, etc. - Create a LinkedIn profile to further your professional networking. - Check the Career Services calendar for career development workshops. - Investigate graduate schools and attend the Open House for TSU Graduate Studies . - Need to get more experience and skills? Check out CareerOneStop.org sponsored by the US Department of Labor. - File for GRADUATION!	- Update resume in Career Service's employment system , Portfolium and LinkedIn. - Make a list of potential employers, research companies, network and interview. - Attend job fairs and dress professionally . - Consider and review various job offers. Reflect on information needed to negotiate a salary if needed. - Graduate! Congratulations! - Join the Tarleton Alumni Association to stay connected to the University. BLEED PURPLE!