

YOUR Major Action Plan: Mathematics



What is YOUR passion?		1st YEAR	2nd YEAR
Teaching Financial Analyst Software Engineer Statistician Data Scientist	YOUR Target Courses	<ul style="list-style-type: none"> - Complete at least 30 credit hours, including the FYS 1100 course. - See Staff or Faculty Academic Advisor to discuss your desired major and concentration, Grade Point Average (GPA) requirements, Academic Advising Guide, and file your degree plan. - Biomathematics - Environmental Mathematics - Technical Writing - Financial Analysis - General/WOTC - Systems Analysis - Pre-Actuarial - Pre-Law - Secondary Math Cert. - Pre-Medical/Dental - Secondary Math/Physics Cert. <p>* If MATH 2414 is not completed by the end of year 1, it is strongly recommended that you complete summer courses to stay on track.</p>	<ul style="list-style-type: none"> - General/WOTC must see Faculty Advisor to have support field approved and filed by end of 2nd year. - * If your goal is to be a public school teacher, please Dr. Riggs after you have completed 45 hours to begin preparing for your application to the Teacher Education program. - Complete at least 30 credit hours, including the prerequisite MATH courses necessary to progress through your degree*. - *These are concentration dependent.
Banking Research Scientist Law School Medical/Dental School Actuary Logistician	Find YOUR Way	<ul style="list-style-type: none"> - Undecided about your major? Want to learn more about different career options? Take advantage of career counseling and career assessments through Career Services. - Explore student groups and organizations in your major or area of interests through TexanSync. - Attend Study Skills sessions for additional assistance with acclimating the first year. - Attend or use Academic Resource Center Coaching, Math Clinic, tutoring options, and Writing Center. - Join a student organization within your major such as T.E.A.M. or Math Club. Consider applying to work as a Math Clinic tutor or a paper grader for the Department of Mathematics during your 2nd semester of your 1st year. - Know the FAFSA deadlines each year. - Seek help from Student Counseling Center for home sickness, depression or other issues. - Feeling ill? Visit Student Health Services for physical health related concerns. 	<ul style="list-style-type: none"> - Explore available Applied Learning Experiences (ALE) such as internships, research, study abroad, service learning or leadership experiences. - Explore undergraduate research opportunities. - Consider serving in a Leadership role in T.E.A.M or Math Club.
Aviation & Aerospace	Sharpen YOUR Skills	<ul style="list-style-type: none"> - Start researching the marketable skills that employers are seeking. - Get involved in Service Day and Tarleton Roundup. - Apply to be a Residential Leader (RL) or Tarleton Transition Mentor (TTM) - Schedule a meeting with a department representative to explore study away and study abroad experiences and department-sponsored service learning projects offered by your major. - Run for Freshman Representative Council with SGA (Student Government Association). - Look into Greek Organizations to network and build community. 	<ul style="list-style-type: none"> - Seek out volunteer opportunities in your area through Volunteer Match or United Way to give back to the community and build marketable skills for future employment. - Attend events offered by The Office of Diversity and Inclusion and Fine Arts Center for cultural and diversity awareness. - Participate in Alternative Spring Break. - Run for Student Government Association.
	YOUR Next Steps	<ul style="list-style-type: none"> - Check out part-time jobs in Career Services employment system to gain work experience for your resume. - Attend job and graduate school fairs to explore possible future opportunities. Make a good first impression with your attire. - Investigate the type of lifestyle, salary and occupation you would like to have through Texas Reality Check tool (powered by Texas Workforce Commission). - Learn more about your student loan debt, budgeting and much more through SALT. 	<ul style="list-style-type: none"> - Explore career opportunities within your major. - Ask Career Services how to conduct a job shadow. - Convert your high school resume into a pre-professional resume. - Get to know your instructors to establish professional references and explore research opportunities. - Create your online portfolio through Portfolioium. Consult with Career Services or your Faculty Advisor on items to include.

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What is YOUR passion?	3rd YEAR	4th YEAR
<p>Companies that have hired Tarleton Mathematics Graduates:</p> <ul style="list-style-type: none"> Northrop Grumman Corporation Lockheed Martin SpaceX Schreiber Foods 	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">YOUR Target Courses</p> <ul style="list-style-type: none"> - See Faculty Advisor to go over 8 semester plans and successfully complete Math requirements*. *These are concentration dependent. 	<ul style="list-style-type: none"> - See your Faculty Advisor to ensure you are meeting graduation requirements. - If your goal is to be a public school teacher, work closely work closely with Dr. Riggs and Education Preparation Services to prepare for your clinical teaching experience and complete MATH 4304.
<p>Texas A&M AgriLife Research & Extension Center</p> <p>Aetna</p> <p>Assurant Solutions</p> <p>Colleges and Universities</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Find YOUR Way</p> <ul style="list-style-type: none"> - Visit with a faculty advisor/mentor within your area of interest to explore student opportunities specific to your major. - Conduct informational interviews and talk to people who are working in fields of interest to you. - Visit the Department office in the Math Building room 142 for information about available internships! - Explore participating in undergraduate research opportunities with your Faculty Advisor. - Take part in the <u>Official Ring Ceremony</u>. 	<ul style="list-style-type: none"> - Contact your Faculty Advisor to discuss presenting at undergraduate research symposiums. - Join the <u>Mathematical Association of America (MAA)</u> or the <u>National Council of Teachers of Mathematics (NCTM)</u>.
<p>Public School Districts</p> <p>Capital One</p> <p>Informatica</p> <p>HAVI Global Solutions</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Sharpen YOUR Skills</p> <ul style="list-style-type: none"> - Consider taking on leadership roles within your student organizations and clubs. - Explore volunteer opportunities in your area through <u>All For Good</u>. - Need to get more experience and skills? Check out <u>CareerOneStop.org</u> sponsored by the US Department of Labor. - Explore internship opportunities with a faculty mentor or advisor for your concentration area. - Attend Math Day! 	<ul style="list-style-type: none"> - Participate in an internship with the direction of your faculty mentor or advisor. Suggested resources for internships can be found in the <u>Career Service's employment system</u> or the <u>College Internship Program's website</u>.
<p>Explore more occupations and occupation groups through the <u>Occupational Outlook Handbook</u> powered by the Bureau of Labor and Statistics.</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">YOUR Next Steps</p> <ul style="list-style-type: none"> - 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>. - Consider graduate school and application deadlines or employment. - Create a <u>LinkedIn</u> profile to further your professional networking. - Check the <u>Career Services calendar</u> for career development workshops. - Investigate graduate schools and attend the Open House for <u>TSU Graduate Studies</u>. 	<ul style="list-style-type: none"> - File for GRADUATION! - Update your resume in <u>Career Service's employment system</u>, <u>Portfolium</u> and <u>LinkedIn</u>. - Research potential employers, seek out networking opportunities, apply for available positions, and prepare for potential interviews. - Compile reference letters, awards, etc. - Attend <u>job fairs</u> and <u>dress professionally</u>. - Consider and review various job offers. Reflect on information needed to <u>negotiate a salary</u> if needed. - Graduate! Congratulations! - Join the <u>Tarleton Alumni Association</u> to stay connected to the University. BLEED PURPLE!