

# YOUR Major Action Plan: Mathematics



What is YOUR passion?	1st YEAR	2nd YEAR
Teaching Financial Analyst Software Engineer Statistician Data Scientist	<b>YOUR Target Courses</b> - 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, <a href="#">Academic Advising Guide</a> , 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. * 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.	- 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 <b>45 hours</b> 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	<b>Find YOUR Way</b> - 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 student groups and organizations in your major or area of interests through <a href="#">TexanSync</a> . -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> . - 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 <a href="#">FAFSA deadlines</a> each year. - 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.	- Explore available <a href="#">Applied Learning Experiences</a> (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	<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</a> (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 <a href="#">Freshman Representative Council</a> with SGA (Student Government Association). - Look into <a href="#">Greek Organizations</a> to network and build community.	- Seek out volunteer 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> .
	<b>YOUR Next Steps</b> - Check out part-time jobs in <a href="#">Career Services employment system</a> to gain work experience for 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. - Ask <a href="#">Career Services</a> how to conduct a job shadow. - Convert your high school resume into a pre-professional <a href="#">resume</a> . - Get to know your instructors to establish professional references and explore research opportunities. - 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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What is YOUR passion?	3rd YEAR	4th YEAR
<p>Companies that have hired Tarleton Mathematics Graduates:</p> <p>Northrop Grumman Corporation</p> <p>Lockheed Martin</p> <p>SpaceX</p> <p>Schreiber Foods</p>	<p><b>YOUR Target Courses</b></p> <ul style="list-style-type: none"> <li>- See Faculty Advisor to go over 8 semester plans and successfully complete Math requirements. These are concentration dependent.</li> </ul>	<ul style="list-style-type: none"> <li>- See your Faculty Advisor to ensure you are meeting graduation requirements.</li> <li>- 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.</li> </ul>
<p>Texas A&amp;M AgriLife Research &amp; Extension Center</p> <p>Aetna</p> <p>Assurant Solutions</p> <p>Colleges and Universities</p>	<p><b>Find YOUR Way</b></p> <ul style="list-style-type: none"> <li>- Visit with a faculty advisor/mentor within your area of interest to explore student opportunities specific to your major.</li> <li>- Conduct informational interviews and talk to people who are working in fields of interest to you.</li> <li>- Visit the Department office in the Math Building room 142 for information about available internships!</li> <li>- Explore participating in undergraduate research opportunities with your Faculty Advisor.</li> <li>- Take part in the <u>Official Ring Ceremony</u>.</li> </ul>	<ul style="list-style-type: none"> <li>- Contact your Faculty Advisor to discuss presenting at undergraduate research symposiums.</li> <li>- <u>Join the Mathematical Association of America (MAA) or the National Council of Teachers of Mathematics (NCTM).</u></li> </ul>
<p>Public School Districts</p> <p>Capital One</p> <p>Informatica</p> <p>HAVI Global Solutions</p>	<p><b>Sharpen YOUR Skills</b></p> <ul style="list-style-type: none"> <li>- Consider taking on leadership roles within your student organizations and clubs.</li> <li>- Explore volunteer opportunities in your area through <u>All For Good</u>.</li> <li>- Need to get more experience and skills? Check out <u>CareerOneStop.org</u> sponsored by the US Department of Labor.</li> <li>- Explore internship opportunities with a faculty mentor or advisor for your concentration area.</li> <li>- Attend Math Day!</li> </ul>	<ul style="list-style-type: none"> <li>- 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>.</li> </ul>
<p>Explore more occupations and occupation groups through the <u>Occupational Outlook Handbook</u> powered by the Bureau of Labor and Statistics.</p>	<p><b>YOUR Next Steps</b></p> <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> </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>, <u>Portfolio</u> and <u>LinkedIn</u>.</li> <li>- Research potential employers, seek out networking opportunities, apply for available positions, and prepare for potential interviews.</li> <li>- Compile reference letters, awards, etc.</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>