# Your Major Action Plan: Mathematics

<table>
<thead>
<tr>
<th>What is YOUR passion?</th>
<th>1st YEAR</th>
<th>2nd YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching</td>
<td>- Complete at least 30 credit hours, including the FYS 1100 course.</td>
<td>- General/WOTC must see Faculty Advisor to have support field approved and filed by end of 2nd year.</td>
</tr>
<tr>
<td>Financial Analyst</td>
<td>- 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.</td>
<td>* 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.</td>
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<tr>
<td>Software Engineer</td>
<td>- Biomedical, Environmental Mathematics, Technical Writing</td>
<td>- Complete at least 30 credit hours, including the prerequisite MATH courses necessary to progress through your degree*.</td>
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<tr>
<td>Statistician</td>
<td>- Financial Analysis, General/WOTC, Systems Analysis</td>
<td>* These are concentration dependent.</td>
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<tr>
<td>Data Scientist</td>
<td>- Pre-Articular, Pre-Law, Secondary Math Cert.</td>
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<tr>
<td>Banking</td>
<td>- Pre-Medical/Dental, Secondary Math/Physics Cert.</td>
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<tr>
<td>Research Scientist</td>
<td>- 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.</td>
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<tr>
<td>Law School</td>
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<tr>
<td>Medical/Dental School</td>
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<tr>
<td>Actuary</td>
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<tr>
<td>Logistician</td>
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<tr>
<td>Aviation &amp; Aerospace</td>
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</tbody>
</table>

## YOUR Target Courses

### 1st YEAR
- Biomedical
- Environmental Mathematics
- Technical Writing
- Financial Analysis
- General/WOTC
- Systems Analysis
- Pre-Articular
- Pre-Law
- Secondary Math Cert.
- Pre-Medical/Dental
- Secondary Math/Physics Cert.

### 2nd YEAR
- General/WOTC must see Faculty Advisor to have support field approved and filed by end of 2nd year.

## Find YOUR Way

### 1st YEAR
- Undecided about your major? Want to learn more about different career options? Take advantage of career counseling and career assessments through Career Services.
- 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.

### 2nd YEAR
- Explore available Applied Learning Experiences (ALE) such as internships, research, study abroad, service learning or leadership experiences.
- Explore undergraduate research opportunities.

## Sharpen YOUR Skills

### 1st YEAR
- 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.

### 2nd YEAR
- 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

### 1st YEAR
- 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.

### 2nd YEAR
- 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 Portfolium. Consult with Career Services or your Faculty Advisor on items to include.

*These are concentration dependent.*

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Updated 12/15/2017
## Major Action Plan: Mathematics

### What is YOUR passion?
- Companies that have hired Tarleton Mathematics Graduates:
  - Northrop Grumman Corporation
  - Lockheed Martin
  - SpaceX
  - Schreiber Foods
  - Texas A&M AgriLife Research & Extension Center
  - Aetna Assurant Solutions
  - Colleges and Universities
  - Public School Districts
  - Capital One
  - Informatica
  - HAVI Global Solutions

### 3rd YEAR
- 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 Official Ring Ceremony.

### 4th YEAR
- 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 Official Ring Ceremony.

### YOUR Target Courses
- See Faculty Advisor to go over 8 semester plans and successfully complete Math requirements*.
- These are concentration dependent.
- See your Faculty Advisor to ensure you are meeting graduation requirements.
- If your goal is to be a public school teacher, work closely with Dr. Riggs and Education Preparation Services to prepare for your clinical teaching experience and complete MATH 4304.

### Find YOUR Way
- Contact your Faculty Advisor to discuss presenting at undergraduate research symposiums.
- Join the Mathematical Association of America (MAA) or the National Council of Teachers of Mathematics (NCTM).

### Sharpen YOUR Skills
- Participate in an internship with the direction of your faculty mentor or advisor. Suggested resources for internships can be found in the Career Service’s employment system or the College Internship Program’s website.

### YOUR Next Steps
- File for GRADUATION!
- Update your resume in Career Service’s employment system, Portfolium, and LinkedIn.
- Research potential employers, seek out networking opportunities, apply for available positions, and prepare for potential interviews.
- Compile reference letters, awards, etc.
- 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!