



Career-Readiness Advising Guide

This guide provides semester-by-semester tips for students in the BS in Mathematics and BA in Mathematics programs to help you graduate with a solid resume and strong prospects for jobs or graduate school!

For academic advising questions, see the [Majors in Math Advising Information](#) guide.

Students in the Actuarial Science programs should see the [Actuarial Program Guide](#) for academic and career-related benchmarks.

Overview: What are some activities you can do throughout your time at TCU to build your resume and make yourself a strong job candidate or graduate school candidate?

- Join student organizations – Math Club and GIS are great math-related organizations, and you can see the TCU Engage platform for others
- Perform volunteer work
- Seek out student leadership opportunities - serve as an officer of a club, organize a volunteer event for a club or the department, etc
- Learn marketable skills – Excel certification, Coursera certification for R, Python, or Java, etc. Talk to the Career Consultant and employers at the job fairs to see what skills apply for your intended path.
- Perform paid work – the department hires graders, and several places on campus hire tutors (Math Clinic, TRIO, Peer2Peer, athletics, etc.)
- Join an honor society if invited – PME and PBK (requires Foreign Language credit)
- Give a talk for the Math Club, SRS, or a conference
- If you are interested in graduate school, look for an REU or a research project with a TCU faculty member
- If you are interested in a non-academic career, look for summer externships and internships
- [Meet with the Career Consultant](#) regularly (every year or even every semester) to discuss your goals and progress



First Year

- Explore student organizations at <https://engage.tcu.edu/>
- Seek volunteer opportunities or academic extracurricular activities that will develop your network on campus
- Set up your Handshake profile at <https://careers.tcu.edu/>
- Write the first draft of your resume; see the [CSE Resume Guide](#) for details
- Make an appointment with the CSE Career Consultant to discuss your goals and resume
- Consider enrolling in the first-year seminar course, Exploring Mathematical Pathways

Sophomore Year

- Look into leadership commitments, like spearheading volunteer opportunities or officer positions in student organizations
- Check out the books *101 Careers in Mathematics*, *The BIG Jobs Guide*, or *Living Proof* from the Mathematics Department Office, TUC 358

<u>Fall</u>	<u>Spring</u>
<ul style="list-style-type: none">○ Update your resume and Handshake profile○ Attend the All Major Career Fair○ Consider attending a conference, such as the Texas Undergraduate Math Conference○ Apply for externships, if you want to pursue one	<ul style="list-style-type: none">○ Attend the All Major Career Fair○ Consider attending a conference, like the TX-OK Regional Undergraduate Symposium or the Texas Section of the MAA meeting○ Run for an officer position in a student organization○ Look into paid positions such as grader or tutor for next year



Junior Year

- Consider attending a conference
- Pursue leadership commitments
- Consider speaking at an informal event like the Math Club's SASS
- Consider pursuing a paid position such as grader or tutor

<p><u>Fall</u></p> <ul style="list-style-type: none"> ○ Update your resume and Handshake profile ○ Attend the All Major Career Fair ○ Apply for internships, if you want to pursue one (If you get an unpaid internship, look into TCU's Intern Scholarship Program!) ○ Start applying for REUs (Research Experience for Undergraduates) if you want to pursue one ○ Consider an undergraduate research project and speak to any faculty member you might like to work with 	<p><u>Spring</u></p> <ul style="list-style-type: none"> ○ Attend the All Major Career Fair ○ Run for an officer position in a student organization ○ Look into paid positions such as grader or tutor for next year
--	--

Senior Year

- If you did a research project, consider presenting at the Math Club, SRS, or a conference
- Continue current or pursue new leadership commitments

<p><u>Fall</u></p> <ul style="list-style-type: none"> ○ Update your resume and Handshake profile ○ Attend the All Major Career Fair ○ Apply for jobs and/or graduate school 	<p><u>Spring</u></p> <ul style="list-style-type: none"> ○ Tell your advisor what post-graduation plans you have (grad school acceptance, job offer, etc)!
--	--