



College of Science

Department of Mathematics

Bachelor of Arts in Mathematics

EDUCATE

ENGAGE

EXCEL

Beginning the Journey

- Take UNIV-SC 1131-020, the Freshman Student Success course for math majors.
- Enroll in a calculus or similar course, depending on level of preparation.
- Become familiar with degree requirements for math majors.
- Review the different math degree options: Bachelor of Science in Mathematics, Bachelor of Science in Mathematics with focus in Industrial and Applied Mathematics; Actuarial Science and Statistics; UTEACH (secondary education)
- Collaborate with advisor/professor to draft a four-year plan of studies.

EDUCATE

Trailblazing the Path

- Take MATH 3330 as soon as prerequisites are met.
- Continue taking required courses.
- Gear up for success in the Big Three: MATH 3300; MATH 3307; MATH 3321.
- Explore avenues for participation in undergraduate research.

ENGAGE

- Learn about student chapters of mathematical professional organizations: Actuarial Science Club; American Mathematical Society Graduate Chapter; Association for Women in Mathematics; Mathematical Association of America; Mid-Cities Math Circle; Pi Mu Epsilon Chapter; Society for the Advancement of Chicanos & Native Americans in Science.
- Get to know math professors and their areas of research.

EXCEL

- Join Honors College, if appropriate.
- Look for a summer internship or REU programs.
- Consider a study abroad program.

- Present a poster at ACES.
- Give a talk at the Texas MAA annual meeting.
- Present a poster at the Joint MAA AMS meeting in January.
- Familiarize yourself with the latest relevant software.

Destination Graduation

- Complete degree requirements.
- Apply for graduation.
- Take GREs, if appropriate.
- Collaborate with Career Development Center, participate in job fairs.

EDUCATE

ENGAGE

- Put together resume highlighting all engagement activities.
- Apply and visit graduate schools, if appropriate.
- Visit local industries, Career Development Center.

EXCEL

- Apply for graduate school, if appropriate.
- Do an undergraduate or Honors thesis.
- Prepare a professional paper of your undergraduate research and submit to a journal.



MAVERICK ADVANTAGE

Be Bold. Be Ambitious. Set Yourself Apart.



CAREER DEVELOPMENT

- Internships
- Fellowships
- Assistantships
- Job Fairs
- Scholarships
- Peer Academic Leadership



GLOBAL ENGAGEMENT

- Global Grounds
- Global Mavericks Program
- International Week
- Language Exchange Program
- Study Abroad



LEADERSHIP DEVELOPMENT

- Mentorships
- Student Organizations
- Peer Education
- Volunteering
- Tutoring & Coaching



COMMUNITY ENGAGEMENT

- Service Learning
- UTA Volunteers
- Camps for High School Students



UNDERGRADUATE RESEARCH

- Undergraduate Research Assistantship
- Contact your professors for opportunities

College of Science

Pickard Hall, Room 478 | Arlington, Texas 76019

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THE UNIVERSITY OF TEXAS
AT ARLINGTON



College of Science

Department of Mathematics

Bachelor of Arts in Mathematics

What career options do I have with this major?

- | | | |
|-------------------------------------|--------------------------------------|--------------------------------------|
| - Actuary | - Economist | - Market Research |
| - Banking - Commercial and Regional | - Financial Analyst | - Mathematician |
| - Consulting Firms | - Financial Consultant | - Operations Research Analyst |
| - Credit Unions | - Financial Institutions | - Service Companies |
| - Cryptographer | - Financial Planner | - Specialized Training Organizations |
| - Custom Software Builders | - Government - Federal, State, Local | - Statistician |
| - Data Scientist | - Investment Analyst | - Wholesale and Retail Trade Firms |

Workforce Skills

- Creativity/ Ingenuity: Synthesize existing ideas and concepts in innovative and creative ways to develop new ways of thinking or working, and engage in divergent thinking and risk taking.
- Critical Thinking: Analyze issues, make decisions, and overcome problems by using sound reasoning before forming a strategy, decision, or opinion.
- Teamwork/Collaboration: Work within a team and foster collaborative relationships with peers and supervisors. Use interpersonal skills to demonstrate respect and dignity for others while working toward a common goal.

Career Readiness

- | | |
|---|---|
| - Abstract formulation of models | - Quantitative Problem-Solving |
| - Attention to detail | - Time Management |
| - Creativity | - Work independently or in small groups |
| - Logical reasoning | |
| - Organize, analyze, and interpret numerical data | |
| - Persistence | |
| - Proficiency for accuracy and detail | |

Take Action

- | | |
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| - Explore workforce skill development through on and off-campus activities. | - Join Handshake, our career services platform |
| - Engage with the UTA Career Development Center at uta.edu/careers . | - Participate in career development programs |
| - Meet with a career consultant | |
| - Network with employers | |
| - Discover internships and co-ops | |
| - Apply for on-campus employment | |

Visit www.uta.edu/student-success/major_maps for the latest version of this major map.

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