



College of Science

Department of Data Science

Bachelor of Science in Data Science (Mathematics)

EDUCATE

ENGAGE

EXCEL

Beginning the Journey	Trailblazing the Path	Destination Graduation
- Review requirements. - Investigate/select different concentrations. - Take Data 1301 and if appropriate Math 1421 (Pre-Calculus) in first semester. Take Data 3402 and Math 1426 (Calculus 1) in second semester. - Make first draft of your four-year plan.	- Meet Data Science advisor and map out your four-year schedule; revise as needed. - Mix in core courses to maintain healthy schedule - Consider taking a required science class(es) in summer to maintain schedule flexibility.	- Complete Capstone project. - Complete degree requirements. - If you are planning to go to graduate school, consider taking graduate classes at UTA. - Apply for graduation. - Take GREs, if appropriate.
- Explore undergraduate research possibilities. - Discover the library resources. - Attend seminars/colloquial	- Find undergraduate research and/ or internship opportunities for Capstone project in Senior year. - Join a club, service fraternity/sorority.	- Visit Career Development Center.
- Consider pursuing a minor or second major from the College of Science.	- Apply for REUs or other summer programs. - Study abroad. - Take a leadership position in a club.	- Get recommendation letters from your faculty mentor. - Explore potential careers online. - Apply for LSAMP or other programs. - Write a resume and do mock interviews. - Visit and apply for graduate school.



MAVERICK ADVANTAGE

Be Bold. Be Ambitious. Set Yourself Apart.

CAREER DEVELOPMENT

- Internships
- Fellowships
- Assistantships
- Job Fairs
- Scholarships

GLOBAL ENGAGEMENT

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

LEADERSHIP DEVELOPMENT

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

COMMUNITY ENGAGEMENT

- Service Learning
- UTA Volunteers
- Camps for high school students

UNDERGRADUATE RESEARCH

- Undergraduate Research Assistantship
- Contact your professors for opportunities



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What career options do I have with this major?

- Data Scientist
- Statistician
- Machine Learning Scientist
- Data Analyst
- Operation Research Analyst
- Political Analyst
- Financial Analyst
- Machine Learning Engineer
- Business Intelligence Developer
- Applications Architect
- Enterprise Architect
- Infrastructure Architect
- Scientist
- Graduate School in a Scientific Field

Workforce Skills

- Communication: Develop and articulate ideas clearly and effectively across all mediums, including but not limited to written, oral, and digital communication.
- Creativity/Ingenuity: Synthesizes existing ideas and concepts in innovative and creative ways to develop new ways of thinking or working; engages in divergent thinking and risk-taking.
- Professionalism: Display effective work habits, high integrity, and ethical behavior. Possess the ability to demonstrate skills confidently and apply talents to achieve professional success.

Career Readiness

- Analyzing data and performing calculations
- Experience with data science software packages and libraries
- Communication skills
- Collaborating with a team
- Computer programming
- Developing computer simulations

Take Action

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

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

College of Science

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<https://www.uta.edu/science/data-s>

