



College of Science

Department of Biology

Bachelor of Science in Microbiology

EDUCATE

ENGAGE

EXCEL

Beginning the Journey	Trailblazing the Path	Destination Graduation
- Meet with our advisor and become familiar with requirements for your degree. - Complete lower-division pre-requisite courses BIOL 1441, CHEM 1441, and BIOL 2444.	- Focus on upper-division biology and chemistry course sequence. - Meet with your academic advisor to review progress and make sure coursework and sequencing is on track.	- Meet with your advisor to be sure you meet all requirements for graduation. - Finish all required coursework.
- Complete UNIV 1131 course. - Discover resources and form study groups that will ensure you have the tools to achieve your academic goals. - Explore student, community, and/or professional organizations to help find your passions.	- Contribute to student, community, and/or professional organizations. - Attend Biology Department research seminars. - Become a Teaching Assistant (TA) for microbiology.	- Take a leadership role in a student, community, and/or professional organization. - Consider becoming a Peer Academic Leader for a UNIV 1131 section. - Attend a research conference and present your work.
- Meet with your professors, laying the foundation for future directed study and independent study opportunities and recommendation letters. - Visit the Career Development Center and meet with a counselor to explore potential careers for the B.S. in Microbiology degree.	- Participate in internal and/or external research opportunities or internships, including summer research outside UTA. - Meet with Career Development Center counselors to discuss career goals.	- Take the GRE, MCAT, or other required exam for entrance to graduate or professional school. - Attend job fairs. - Apply professional school for your intended career or graduate program.



MAVERICK ADVANTAGE

Be Bold. Be Ambitious. Set Yourself Apart.

CAREER DEVELOPMENT

- Internships
- Fellowships
- Assistantships
- Job Fairs
- Scholarships

GLOBAL ENGAGEMENT

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

LEADERSHIP DEVELOPMENT

- Fraternity and Sorority Life
- Leadership Institute
- Leadership Minor
- Student Governance
- Student Organizations

COMMUNITY ENGAGEMENT

- Alternative Break Trips
- Service Learning Courses
- Service Learning Showcase
- UTA Volunteers

UNDERGRADUATE RESEARCH

- Independent study with faculty to conduct research
- Contact your professors for other opportunities



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What career options do I have with this major?

- Academic Researcher
- Biomedical Scientist
- Biotechnologist
- Clinical Research Associate
- Clinical Scientist
- Ecologist
- Research Scientist
- Forensic Scientist
- Marine Biologist
- Medical Chemist
- Microbiologist
- Nanotechnologist
- Pharmacologist
- Physician Associate
- Technical Brewer
- Water Quality Scientist
- Life Science

Workforce Skills

- Communication: Develop and articulate ideas clearly and effectively across all mediums, including but not limited to written, oral, and digital communication.
- 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

- Analytical Skills
- Attention to Details
- Communication Skills
- Critical Thinking
- Decisiveness
- Investigative Skills
- Problem Solving Skills
- Research
- Teamwork

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.

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