



College of Science

Department of Physics

Bachelor of Arts in Physics

EDUCATE

ENGAGE

EXCEL

Beginning the Journey	Trailblazing the Path	Destination Graduation
EDUCATE - Review University requirements for physics majors. - Investigate different flavors of physics majors. - Take UNIV-SC 1131 and PHYS 1443 in first semester. - Make first draft of your four-year plan (collaborate with a professor/advisor).	EDUCATE - Meet physics advisor and map out your four-year schedule; revise as needed. - Mix in core courses to maintain healthy schedule. - Consider taking required science class(es) in summer to maintain schedule flexibility.	EDUCATE - Complete degree requirements. - Apply for graduation.
ENGAGE - Join SPS. - Explore undergraduate research possibilities. - Discover the library's resources. - Attend Planetarium shows. - Attend selective colloquia.	ENGAGE - Consider working in physics clinic. - Consider becoming an SI leader. - Consider becoming a tutor. - Participate in undergraduate research; get a faculty supervisor. - Attend a Texas APS meeting. - Consider joining UTEACH program. - Join a club or service fraternity.	ENGAGE - Investigate career options. - Visit the Career Development Center.
EXCEL - Join the Honors College, if appropriate.	EXCEL - Present a poster on your undergradute research at ACES and/or Texas APS meetings. - Apply for physics department scholarships, REUs, or other summer programs. - Study abroad. - Take a leadership position in a club. - Represent the department in variety of activities.	EXCEL - Do an undergraduate or honors thesis. - Give an oral presentation at Texas APS meeting. - 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 schools.



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 and Coaching
- Student Governance

COMMUNITY ENGAGEMENT

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

UNDERGRADUATE RESEARCH

- Undergraduate Research Assistantship
- Contact your professors for other opportunities



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What career options do I have with this major?

- Accelerator Operator
- Applications Engineer
- Data Analyst
- Design Engineer
- High School Physics Teacher
- IT Consultant
- Lab Technician
- Laser Engineer
- Optical Engineer
- Research Associate
- Software Developer
- Systems Analyst
- Technical Specialist
- Web Developer

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: Synthesize existing ideas and concepts in innovative and creative ways to develop new ways of thinking or working; engage 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
- Preparing and presenting research proposals
- Communication skills
- Organizing ideas
- Collaborating with a team
- Problem solving skills
- Computer programming
- Project development skills
- Designing specialized equipment
- Reviewing literature
- Developing computer simulations
- Developing theories and testing hypotheses
- Integrating theoretical and experimental understanding

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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502 Yates Street Box 19059, Arlington

P: 817.272.2266

F: 817.272.3637 | uta.edu

