

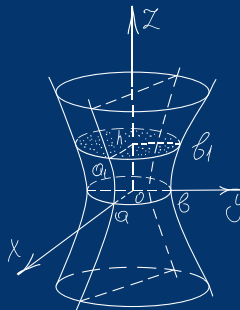
MAJOR MAP

WHO WE ARE

- Department of Mathematics & Physics provides programs of study for those who desire to pursue an undergraduate major in mathematics. The program provides courses to satisfy the mathematics and physics requirements of the University & Several colleges.
- Physics minors typically take a selection of courses that provide a foundational understanding of physics principles and concepts.
- Students completing a minor in physics, students gain a solid foundation in these fundamental physics concepts, which can complement their major field of study and provide them with a broader understanding of the natural world and scientific principles.

CAREER OUTCOMES:

- Data Analyst
- Environmental Scientist
- Software Developer
- Science Teacher
- Lab Technician
- Technical Writer
- Quality Assurance Specialist



$$M = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

What skills will students learn throughout this program?

- Students will learn to analyze complex problems, break them down into smaller components, and apply logical reasoning to find solutions.
- Students gain proficiency in mathematical techniques and quantitative analysis, which are essential in physics and many other fields.
- Through laboratory work, students acquire skills in experimental design, data collection, and analysis.
- Students will develop the ability to evaluate information, arguments, and evidence in a systematic and objective manner.

WHAT SKILLS ARE YOUR FUTURE EMPLOYERS LOOKING FOR?

- Analytical Skills
- Critical Thinking
- Quantitative Skills
- Problem-Solving Skills
- Experimental Skills
- Communication skills
- Computer Skills
- Interdisciplinary Perspective



For more information, [click here](https://www.tnstate.edu/mathematics/minor_inphysics.aspx)
https://www.tnstate.edu/mathematics/minor_inphysics.aspx

Undergraduate Experiential Major Map: Physics (Minor)



First Year/Freshman

- Complete your Handshake Profile.
- Complete your four-year educational plan in UNIV 1000 during the fall semester.
- Focus on your studies and earn good grades.
- Visit the [Office of Student Success \(OSS\)](#) and connect with your advisor for help navigating college life and your classes. Make an appointment using the student planner app and view the OSS page for other hours and services.
- First Generation students connect with your [First Generation Specialist](#).
- Get to know professors. The best time to connect outside of class is during their office hours.
- Visit the [Academic Achievement and Retention Center](#) for access to study tips, connecting to academic coaches, tutoring, and other helpful resources.
- Attend the Career Fair (Sponsored by the [Career Development Center](#))
- Get involved - Attend organizational fairs, special/corporate events, and volunteer on and off campus.

Sophomore & Junior

- Update your resume and remove high school activities. Have it critiqued by the [Career Development Center](#).
- Review and update LinkedIn and Handshake profiles.
- Attend the Career Fair (Sponsored by the [Career Development Center](#))
- Explore graduate school options.
- Begin preparing for GRE, LSAT, MCAT, GMAT, and other exams for graduate school admissions.
- Begin building your professional wardrobe.
- Meet with your [departmental academic advisor](#) to confirm degree progress and discuss your future academic and career goals.
- Attend institutional and departmental internship workshops.

Senior

- Meet with your [departmental academic advisor](#) to confirm degree progress and discuss your future academic and career goals.
- Apply for [Graduate and Professional School](#) or jobs that fit your interests, skills, and career goals. Follow up on applications and keep a record of the status of each.
**pay attention to due dates*
- Draft a cover letter that can be adapted for a variety of employers. Have it critiqued.
- Complete the Senior Exit Exam and First Destination Survey. ([Testing Center](#))

Academic Success Checklist

- Book an appointment with your academic advisor for pre-registration and advising.
- Discover library resources.
- Visit the math, reading, writing, and tutoring center.
- Complete FAFSA and academic scholarship applications.

Educational Planning Checklist

- Ask your academic advisor about High Impact Practices
- Participate in at least two High Impact Practices at TSU
- Join a student group.

Career Development Checklist

- Create your HandShake Profile.
- Visit [What Can I Do With This Major](#)
- Attend the career fair to expand your network.
- Attend Academic Department workshops and seminars.
- Visit the [Academic Pathways & Partnerships](#)

Think

Engaging in critical thinking and inquiry inside the classroom.

Work

Pursue experiences that will allow you to grow as a leader and professional.

Serve

Explore opportunities to contribute to the broader community and global marketplace.