



Spring 2026 Incoming Student Presentation

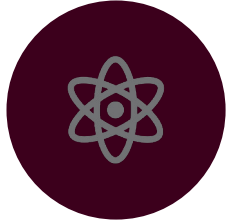




AGENDA

| ACTIVITY | ESTIMATED TIME |
|--|----------------|
| Department Information <i>(families welcome)</i> | 12:30 pm |
| Schedule Building in MPHY 237 <i>(students only)</i> | 1:45 p.m. |
| Family Presentation in BSBE 115 | 3:15 p.m. |
| Registration <i>(students only)</i> | 3:30 pm. |
| Out | 4:00 p.m. |

Guiding Questions



**What can you do
with a Physics
degree?**



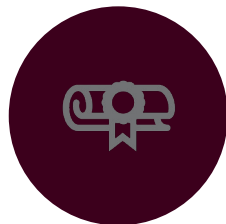
**What does a Physics
degree at Texas A&M
entail?**



**What can you expect
when joining our
Department?**



**What resources are
available at Texas
A&M?**



**What will your first
semester at Texas
A&M look like?**

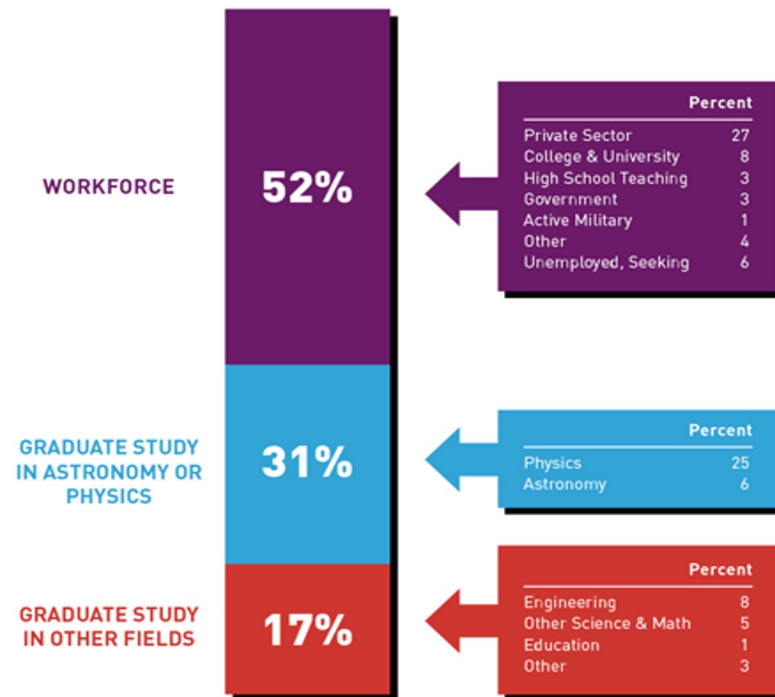
A man with grey hair, wearing a blue shirt and a ring, is focused on adjusting a small component in a complex optical setup. He is using a large magnifying glass to inspect his work. The setup is mounted on a perforated metal table and includes a large cylindrical container with colorful tubes, various lenses, mirrors, and a dense bundle of black cables. The background is dark and filled with more laboratory equipment.

Owning Your Major

What can you do with a Physics degree?

Physics Major Employment vs. Graduate Studies

Physics Bachelors 1 Year Later 9,250 Recent Degree Recipients



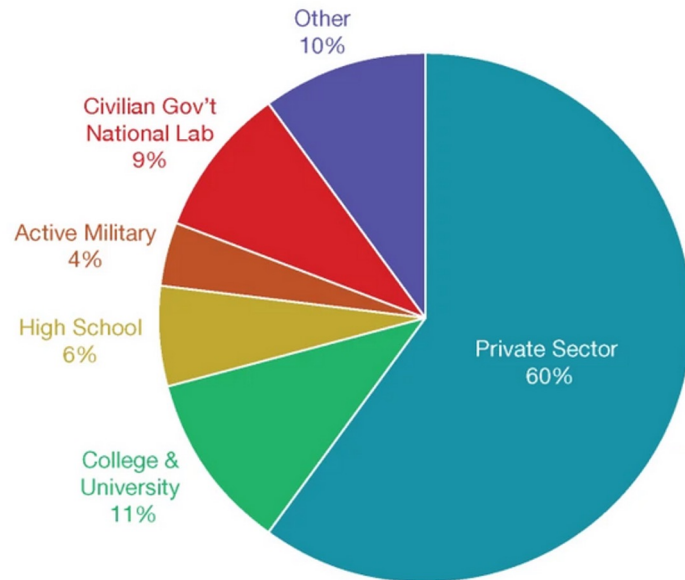
Note: Data in this figure are from the AIP Statistical Research Center's annual Bachelors Follow-up Survey, classes of 2019 and 2020 combined. The 9,250 degree recipients represent the average of these two classes. Two percent of respondents to the survey indicated that they had left the US to pursue employment or graduate study and are not included in the figure.

Get a Job!

AIP PHYSICS TRENDS

Spring 2024

Where New Physics Bachelors Work

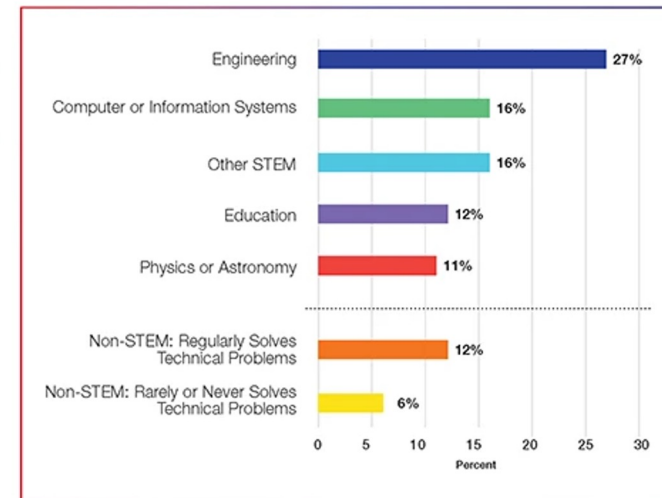


Source: AIP Physics Bachelor's Follow-up Survey, classes of 2021 and 2022 combined.

AIP PHYSICS TRENDS

Fall 2023

Field of Employment for New Physics Bachelors



- STEM refers to natural science, technology, engineering, and mathematics
- Regularly solves technical problems includes respondents who selected "Daily", "Weekly", or "Monthly" on a four-point scale that also included "Rarely or Never"
- Almost half of new physics bachelors were in the workforce in the winter after receiving their degree

Source: AIP Follow-up Survey of Physics Bachelors, the classes of 2021 and 2022 combined. Field of employment data is self-reported and reflects all sectors of employment.

Texas A&M Physics – All Degrees Employment Outcomes (Fall 2022 – Summer 2024)

- **ABATIX**
- **Applied Research Labs at UT (x2)**
- **DataAnnotation**
- **Los Alamos National Lab**
- **Lockheed Martin (x2)**
- **MP Materials**
- **Peterbilt Motor Company**
- **Raytheon**
- **Standard Data (x2)**
- **ST Genetics**
- **St. Philip's Early College High School**
- **Texas Center for Applied Technology**
- **Univ. of Texas at Arlington**
- **US Military (Air Force, Marines, Navy)**
- **Visa**



Field of Graduate Study for Physics Bachelors One Year After Degree, Classes of 2019 & 2020 Combined

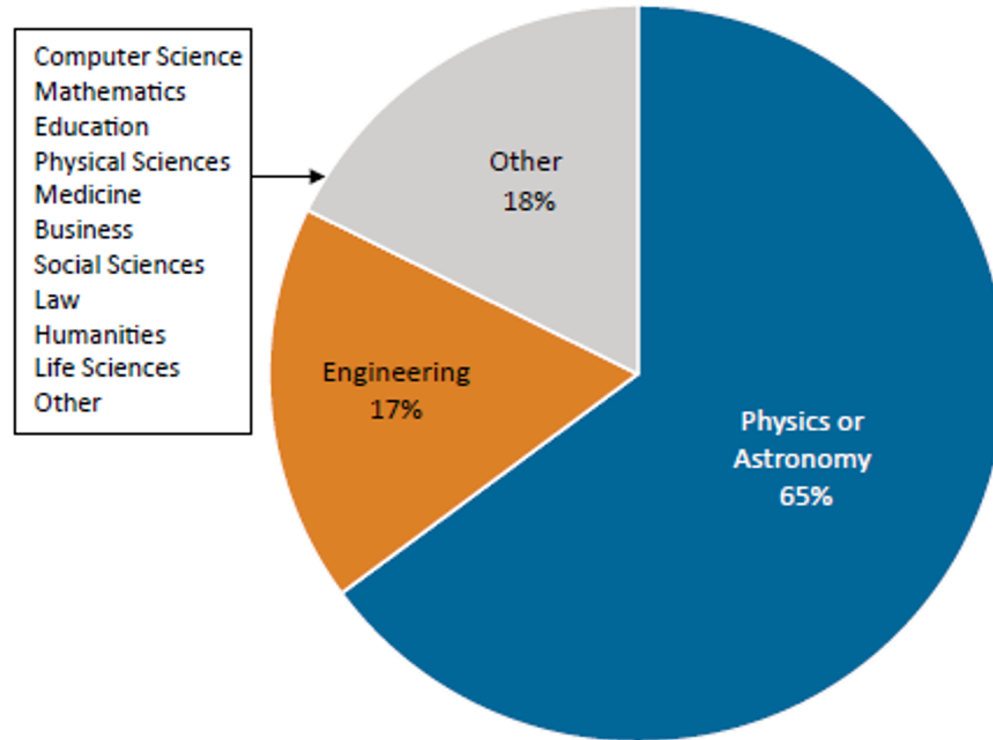


Figure based on responses from 2,593 physics bachelors degree recipients who indicated that they continued into graduate study.

Go to Graduate School!

Texas A&M Physics Degrees (all tracks)

Graduate Schools and Fields of Study

- Brown University
- Colorado School of Mines
- Duke University
- Johns Hopkins University
- Indiana University
- Michigan State
- Rice University
- Texas A&M University
- Univ. of Illinois - Urb.-Champ.
- University of Maryland
- University of Michigan
- University of Texas, Austin
- University of Toronto
- Virginia Tech

- Accelerator Physics
- Atomic and Molecular Optics
- Chemistry
- Condensed Matter
- Data Science
- Finance
- Math
- Mechanical Engineering
- Nuclear Engineering
- Nuclear Physics



Physics and Astronomy Undergrads December 2024 & May 2025 (45 Students)



Grad School

- **Clemson University**
- **Duke University**
- **New Mexico State Univ.**
- **Ohio State University (x2)**
- **Texas A&M University**
- **Texas State University**
- **Univ. of Cal., San Diego**
- **Univ. of Cal., Santa Barbara**
- **University of Iowa**
- **UT Southwestern Medical School**

(biophysics, quantitative finance, materials physics, medical physics)

Employment

- **Argonne National Lab**
- **Epic Systems**
- **iCode**
- **Lockheed Martin**
- **Oak Ridge National Lab (Internship)**
- **Standard Data**
- **Texas A&M (research asst. in Math)**
- **Texas A&M (research intern in Physics)**
- **Valent Partners**

The background of the image is a close-up, slightly angled view of a bookshelf. The spines of the books are visible, with labels in red and blue ink. The labels include the words 'SCIENCE FICTION' and 'ASTOUNDING' repeated many times. The text is slightly blurred, giving a sense of depth. A thin horizontal line is visible at the top left of the image.


Choosing Your Degree

What does a Physics degree at Texas A&M entail?

TAMU Physics Degree Options

- Bachelor of Science in Physics (no track)
- Bachelor of Science in Physics – track options
 - Astrophysics
 - Business
 - Computational Science
 - Semiconductors and Modern Materials
 - Physical Science Teaching
 - Physics and Mathematics Teaching
- Bachelor of Arts in Physics

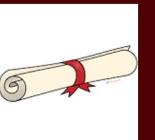
<https://physics.tamu.edu/academics/prospective-undergraduates/degree-options/>



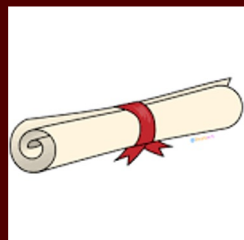
TEXAS A&M UNIVERSITY
Physics & Astronomy

SCAN ME

**DEGREE OPTIONS FOR
UNDERGRADUATES**



BS-PHYS Degree Plan



BS in Physics 2025 - 2026 Catalog

Freshman Year

This plan is unofficial and should be used for reference only.

| First Semester* | (Th-Pr) | Cr | Second Semester | (Th-Pr) | Cr |
|--|---------|----|--|---------|----|
| PHYS 101 Topics in Cont. Physics ¹ | (1-0) | 1 | ASTR 102 Observational Astronomy ¹ | (0-3) | 1 |
| MATH 171 Analytic Geom. and Calculus ¹ | (4-0) | 4 | PHYS 206 Newtonian Mech. for Engr. and Sci. ¹ | (3-0) | 3 |
| PHYS 150 Intro to Programming for Physics ¹ | (3-0) | 3 | PHYS 226 Physics of Motion Lab for Sci. ¹ | (0-2) | 1 |
| ENGL 103/104 Comp. and Rhetoric | (3-0) | 3 | MATH 172 Calculus ¹ | (4-0) | 4 |
| HIST 105 History of the U.S. ² | (3-0) | 3 | Language, Philosophy and Culture elective ² | (3-0) | 3 |
| | | | HIST 106 History of the U.S. ² | (3-0) | 3 |
| | | 14 | | | 15 |

Sophomore Year

| First Semester | (Th-Pr) | Cr | Second Semester | (Th-Pr) | Cr |
|--|---------|----|---|---------|----|
| PHYS 207 Elect. & Mag. for Engr. and Sci. ¹ | (3-0) | 3 | PHYS 225 Electronic Circuits | (1-4) | 3 |
| PHYS 227 Elect. & Mag. Lab for Sci. ¹ | (0-3) | 1 | PHYS 309 Modern Physics ¹ | (3-0) | 3 |
| PHYS 221 Optics and Thermal Physics ¹ | (3-0) | 3 | PHYS 331 Theoretical Methods I ¹ | (3-0) | 3 |
| MATH 221 Several Variable Calculus ¹ | (4-0) | 4 | POLS 207 State & Local Govt. | (3-0) | 3 |
| MATH 308 Differential Equations ¹ | (3-0) | 3 | Communication elective ² | | 3 |
| | | 14 | | | 15 |

Junior Year

| First Semester | (Th-Pr) | Cr | Second Semester | (Th-Pr) | Cr |
|--|---------|----|---|---------|----|
| PHYS 302 Adv. Mechanics I | (3-0) | 3 | PHYS 303 Adv. Mechanics II | (3-0) | 3 |
| PHYS 304 Adv. Elect. and Magn. I | (3-0) | 3 | PHYS 305 Adv. Elec. and Magn. II | (3-0) | 3 |
| PHYS 332 Theoretical Methods II | (3-0) | 3 | PHYS 327 Experimental Physics ³ | (1-2) | 2 |
| Social and Behavioral Sciences elective ² | | 3 | PHYS 328 Experimental Physics II ³ | (1-1) | 1 |
| Creative Arts elective ⁴ | (3-0) | 3 | PHYS 412 Quantum Mechanics I | (3-0) | 3 |
| | | 15 | POLS 206 American Nat'l. Govt. | (3-0) | 3 |
| | | | | | 15 |

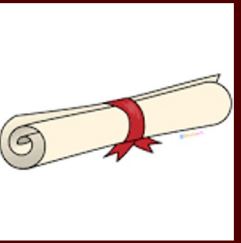
Senior Year

| First Semester | (Th-Pr) | Cr | Second Semester | (Th-Pr) | Cr |
|--|---------|----|--|---------|----|
| PHYS 408 Thermodynamics/Stat. Mech. | (3-0) | 3 | PHYS 401 Computational Physics | (3-0) | 3 |
| PHYS 414/415/416 QM II/Nuc.&Part./Sol. St. | (3-0) | 3 | PHYS 425 Physics Lab | (0-6) | 2 |
| PHYS 426 Physics Lab | (0-6) | 2 | PHYS 491/ASTR 491 Research ⁷ | (0-6) | 2 |
| PHYS 491/ASTR 491 Research ⁷ | (0-6) | 2 | Science or Technical elective ⁴ | | 3 |
| Astronomy/Physics elective ⁶ | | 3 | Electives ⁵ | | 5 |
| Electives ⁵ | | 3 | | | |
| | | 16 | | | 16 |

NOTES: 1. A physics major must complete the foundation courses (ASTR 102, PHYS 101, 150, 206/226, 207/227, 221, 309, 331, MATH 171, 172, 221, 308) with a grade of 'C' or better and have a 2.0 cumulative GPR before taking non-foundation upper-level physics courses.
 2. Any course in this category from the approved University Core Curriculum list of courses.
 3. PHYS 327 is an approved Univ. Writing course. PHYS 328 is an approved Univ. Communication course.
 4. Any upper-division course in geo/life/physical sciences, mathematics/statistics, or engineering (except 485/491).
 5. Electives should be chosen in consultation with the student's advisor. Three hours must be in the area of International and Cultural Diversity, and three hours must be in the area of Cultural Discourse. These may be in addition to other University Core Curriculum courses, or, if a course in this category satisfies another area of the Core, it can be used to meet both requirements.
 6. Chosen from ASTR 314, PHYS 414, 415, 416, 418, 419, 489, MATH 460, or any graduate offering in PHYS or ASTR.
 7. A combination of ASTR/PHYS 291 and ASTR/PHYS 491 must equal 4 hours. Students with U1 or U2 classification should take PHYS/ASTR 291. Students with U3 or U4 classification should take PHYS/ASTR 491.
 * ARSC 101 or an equivalent is required for all freshmen students in their first semester. This is a 0-credit hour course graded S/U.

*Beginning in the Sophomore Year - Second Semester: PHYS courses are only offered once a year in the semester shown on this plan. *

Degree Options



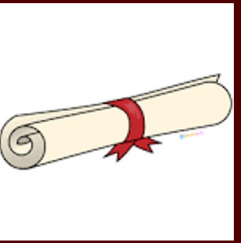
BS – PHYS (no track)

- Includes all upper-division Physics courses
- Best preparation for grad school in Physics
- Requires Physics or Astronomy research
- Getting off-track will delay graduation by one year

BA – PHYS

- Removes upper-level Physics courses from senior year
- Most flexible degree option
- Requires completion of a minor
- Typically completed by students with an additional degree/set of classes
- Getting off-track is unlikely to delay graduation

Degree Options



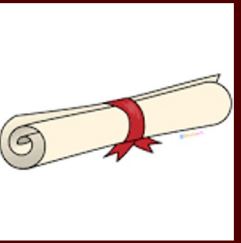
BS – PHYS, Astrophysics Track

- Best preparation for grad school in Astronomy or Astrophysics
- Requires Physics (astro related) or Astronomy research
- Getting off-track will delay graduation by one semester
- Track courses – ASTR: 314, 320, 401, 403, 420, 491 (3 hours)

BS- PHYS, Business Track

- All track courses taught by Mays Business School (except Economics)
- Getting off-track will delay graduation by one semester
- Track courses – MGMT 209, ECON 202, ACCT 209, MGMT 309, MKTG 409, FINC 409, Econ. or Stat. elective

Degree Options



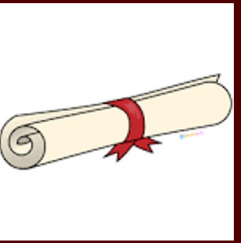
BS – PHYS, Computational Science Track

- All track courses taught by the Dept. of Electrical and Computer Engineering
- Getting off-track will delay graduation by one semester
- Track classes – CSCE: 120, 221, 222, 312, PHYS 401

BS- PHYS, Semiconductors and Modern Materials Track

- Includes CHEM 107/117 and directed electives
- Most track courses taught by the Dept. of Materials Science and Engineering
- Getting off-track will delay graduation by one semester
- Track classes – CHEM 107/117, MSEN 222, SMM Directed Electives x 4

Degree Options



BS – PHYS, Physical Science Teaching Track

- Requires being accepted to the aggieTEACH program
- Getting off-track will delay graduation by one year
- Track classes – all required courses for the Physical Science content area and teacher certification

BS – PHYS, Physics and Mathematics Teaching Track

- Requires being accepted to the aggieTEACH program
- Getting off-track will delay graduation by one year
- Track classes – all required courses for the Physics and Mathematics content area and teacher certification

aggieTEACH

INTERESTED IN EXPANDING YOUR CAREER OPTIONS?
THINK ABOUT TEACHING!

aggieteach.tamu.edu



Double your career potential by obtaining a Texas Secondary Teaching Certificate as you earn your degree.

LEARN to TEACH and make an **IMPACT** with aggieTEACH!

NEXT STEPS > REGISTER FOR ARSC 201
AND VISIT [AGGIE TEACH.TAMU.EDU](http://aggieteach.tamu.edu)

DEPARTMENTAL HONORS IN PHYSICS AND ASTRONOMY

- **Admission** (*must meet at least one of the following criteria*)
 - SAT score ≥ 1310 (minimum scores of 570 Verbal and 730 Math)
 - ACT score ≥ 28 (minimum scores of 27 Verbal and 29 Math)
 - A 5 on the AP Cal AB or BC test **or** a 30+ on the MPE
 - 3.5 GPA at TAMU (*for continuing students*)
- **Requirements** (*must complete all the following criteria*)
 - 21 hours of Honors coursework in Physics and Astronomy
 - 6 Honors credits at 300-level or above
 - 3 Honors credits at 400-level or above
 - 3 – 6 hours of Honors PHYS/ASTR 491
 - Includes an Honors Research Thesis

<https://physics.tamu.edu/academics/honors/>



UNDERGRADUATE RESEARCH THESES 2024 & 2025

QUANTUM COMPUTING AND LEGALISM: IS THE LAW PREPARED FOR THIS BREAKTHROUGH?

*Jordan Bass, Advisor: Dr. Nicholas Suntzeff and Dr. Grigory Rogachev (2024)

THEORETICAL MODELING OF SATURATION DISTORTIONS OBSERVED IN SATURATED ABSORPTION SPECTROSCOPY

*Alex Hilty, Advisor: Alexandre Kolomenski (2025)

CHARACTERIZING BEST METHODS FOR IMPROVING LIGHT YIELD IN CSI(TL) SCINTILLATORS

Kensington Vincent, Advisor: Dr. Rupak Mahapatra (2024)

PRECISION VALIDATION OF THE PERFORMANCE OF THE OTMB SYSTEM FOR THE CMS MUON SYSTEM

Kyla Martinez, Advisor: Dr. Alexei Safonov and Dr. Jason Gilmore (2024)

ASSYMETRIC OFFNER SPECTROGRAPH

*Evan Batteas, Advisor: Dr. Jennifer Marshall (2025)

EFFECTS OF HIGH TEMPERATURE ON SHAPE MEMORY ALLOYS

*Andrew Pai, Advisor: Dr. Joe Ross (2025)

*Honors in Physics and Astronomy



Knowing Your Department

What are the department's policies?

Department of Physics and Astronomy Policies

Students are responsible for knowing and following ALL department policies.

All students are admitted as Bachelor of Arts. Tracks can be declared at the end of the first year.

Students will be required to meet with an advisor if any midterm grade is reported as F. Midterms are reported until students have 30 TAMU hours.

**Degree Planners will be required in the 4th and 6th semesters (based on courses).
Students will also be required to meet with an advisor in the 6th semester.
Degree planners are semester by semester plans that will be submitted through Howdy.**

Department of Physics and Astronomy Policies

Students are responsible for knowing and following ALL department policies.

Physics Foundation Courses must be completed with a grade of C or better.

Foundation courses can only be attempted 3 times, except for PHYS 309 and 331, which follow the rule for upper-division classes.

Upper-division Physics and Astronomy courses may only be attempted 2 times.

A minor can't be declared in the area of a track.

Department of Physics and Astronomy Policies

Students are responsible for knowing and following ALL department policies.

Beginning in the 4th semester, Physics classes are only offered once a year.
Getting behind in these classes will extend your time to graduation.

All classes must be passed before moving on to the next set of classes.

UIN should be included in all messages to faculty and staff.

Your official TAMU email is NetID@email.tamu.edu. You should check your official TAMU email at least once a day.

Words of Wisdom from the Class of 2028

What have you learned from your first semester?

"This past semester has taught me a lot about myself academically and personally. For the first time, I had to actually study instead of just skimming through the material. This was a really big adjustment for me since I was so used to getting A's without having to prepare. I had to set aside time to actively work on my assignments and review the material instead of getting to it whenever I felt like it." - LF

"I didn't have to study a lot in high school. I don't think I'm exceptionally intelligent or anything, just a good test taker. I realized very quickly that this was not going to be the case anymore. After the first couple of weeks, it became abundantly clear that there were too many things to learn and too little time. One thing I would recommend to all freshmen like myself is group studying. I've found that asking and answering questions are some of the most effective ways for me to study." - RM

"Another huge area of growth has been learning to live independently for the first time. Learning to live away from my family has taught me more about who I am and how I function in a new environment. I have learned that I thrive on structure and really benefit from scheduling my days. Taking the time to map out when to study, complete homework, and attend to personal needs is what allows me to stay organized and reduce stress." - LN

"Another major lesson I've learned, especially from living on my own in an apartment, is that grocery shopping and feeding yourself is hard. You have to stay organized, or you'll quickly end up with a messy apartment or an empty fridge. If you've never grocery shopped before, it can be overwhelming. You need to plan meals, keep track of what you have, and use things before they spoil – or else you'll waste money." - KP

Words of Wisdom from the Class of 2025

What do you wish you had known when you started in physics?

"Become friends with those in your cohort. You get a study group, and you spend a lot of time around these people, so it's better to be friends with them. Also, it's nice to have others who are experiencing the same things you are and to do non-physics things with." KH (BS - Physics, BS-MATH)

"The importance of time management. I heard everyone say it was important to manage my time, but it didn't really click until my junior year when my poor time management really started to pile up." JP (BS - Physics)

"That having friends in the major who are good people and smart is like the best thing ever." AC (BS - Physics, Business track)

"I wish I had known to start performing research sooner. I also should have engaged in more leadership roles." HH (BS - Physics, Astrophysics track)

"To be prepared before every lecture and review the textbook multiple times before a test (this applies in general, though." FL (BS - Physics, Astrophysics track)

"The need for programming." KS (BA - Physics, math and geology minors)

Outreach on YouTube



3.65 million subscribers!



TAMU Physics & Astronomy
@tamuphysastr
301M Views
9.7M Likes
76K Comments



More Outreach!



Physics Shows
physicsshow.tamu.edu

Just Add Science
justaddscience.tamu.edu



Real Physics Live
realphysicslive.com



Gameday Physics
gameday.physics.tamu.edu



Mitchell Institute Star Parties
mitchell.tamu.edu/outreach/star-parties



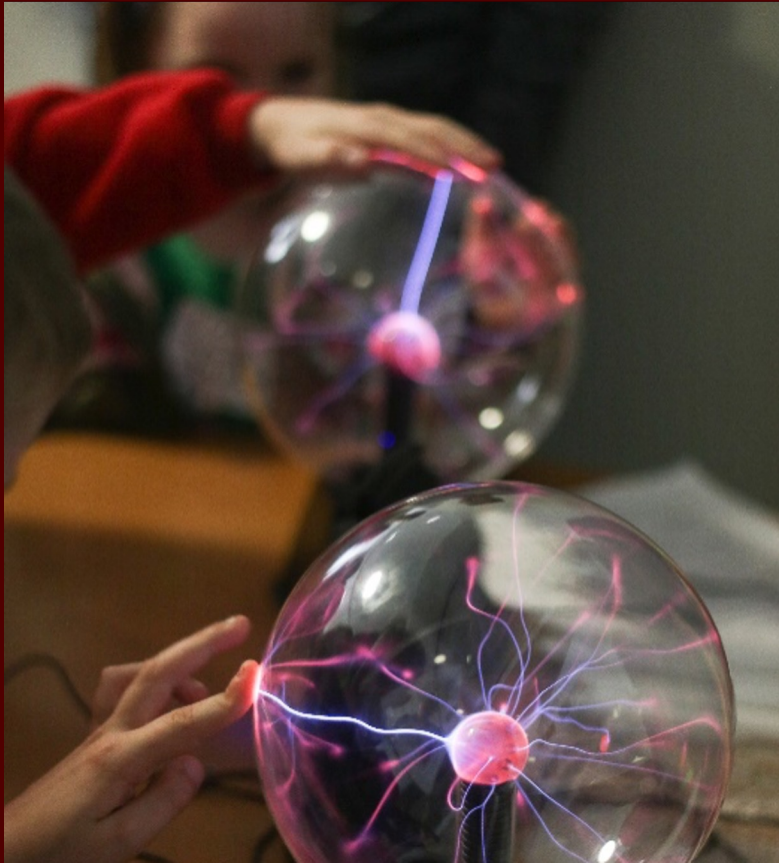
Saturday Morning Physics
cyclotron.tamu.edu/smp



**Discover, Explore and Enjoy
Physics and Engineering
(DEEP)**
physics.tamu.edu/outreach/deep

Physics and Engineering Festival

March 28, 2026



A monarch butterfly with orange and black wings is perched on a cluster of small purple flowers. The background is a blurred image of a large, white, classical-style building with columns, likely the Texas A&M University building. The text "Utilizing Your Resources" is overlaid in white, bold, sans-serif font.

Utilizing Your Resources

What resources are available at Texas
A&M?

TAMU Resources

Pocket Pantry

- Provides temporary relief to students who are experiencing food insecurity
- Non-perishable food and toiletries available
- Located in Blocker 529
- For a list of all pantries and their locations, please visit: <https://studentlife.tamu.edu/sas/food-resources/>



Learning Assistance Resources

- Study Hub (online)
- Academic Success Center (SI, Tutoring, Academic Coaching)
- Help Desks (Physics and Chemistry)
- Math Learning Center
- University Writing Center

University Health Services

- **Mental Health Services – Student Services Building**
- **Medical Services – A.P. Beutel Health Center**
- **TELUS Health Student Support App**

CONFIDENTIAL, REAL-TIME VIRTUAL COUNSELING AVAILABLE 24/7 VIA CHAT AND PHONE

Talk with a professional counselor at your convenience through live chat or a simple phone call.

SCHEDULED, SHORT-TERM COUNSELING APPOINTMENTS VIA TELEHEALTH WITH A PROFESSIONAL COUNSELOR

Connect with the same counselor over multiple sessions via telephone or video appointments.

EXTENSIVE ON-DEMAND CONTENT LIBRARY

- Videos, articles, podcasts and infographics addressing a wide variety of mental health and wellbeing concerns.
- Anonymous mental health assessments for depression, general anxiety, alcohol and drug use.
- Free access to the UTT app for virtual fitness sessions.

SUPPORT IN YOUR LANGUAGE

Students Support app content and support are available 24/7 in **Mandarin, Cantonese, Spanish, French and English**. Additional language options may be requested by appointment, depending on availability.



TAMU Resources

Disability Resources

- Accommodation Coordination
- Testing Center
- Assistive Technology Services (ATS)
- Communication Access Services
- Physical Accessibility



Arts & Sciences Career Services

- Schedule with a career advisor
- Explore career options
- Create a resume
- Find student employment opportunities (Jobsforaggies)
- Find after graduation employment (HireAggies)
- Career Fairs

**Aggie Career
Success
Handbook**
QR code



Navigate 360 App

- Make to-do lists and set reminders
- See your class schedule
- Receive alerts about holds
- Schedule an advising appointment –
<https://tamu.zoom.us/my/sherreekessler>

Available now in the
App and Android Store
Search for "Navigate
Student" or scan to
download





Building Your Schedule

What will your first semester at Texas A&M look like?

AP Credits

- **Please discuss accepting AP credits with an advisor before accepting.**
- **The Physics 1 and 2 tests should not be accepted by Physics majors.**
 - These exams award credit for PHYS 201 and 202, which cannot be used anywhere in a Physics degree.
- If you earn a 5 on the Cal AB or BC test, we recommend you seriously consider your math skills before deciding where you will start.
 - General suggestion: **start one class earlier than you can** (i.e., MATH 171 for the AB and MATH 172 for the BC).
- We strongly encourage all students to **take PHYS 206 and 207 at TAMU.**
 - Historically, AP and Dual Credit classes provide good foundation, but not always enough to successfully move on to higher-level Physics courses.
- **Please note – Until AP credits have been accepted, you will not be able to register for the next class in the sequence.**

Dual Credit

- Dual credit courses will automatically be added to your record when you submit your transcripts.
- Courses taken through dual credit **will not affect your TAMU GPA.**
- General suggestions:
 - **Retake the last Calculus class you took.**
 - **Start in PHYS 206/226.**
- The decision of which courses to use and which to retake is yours.

Texas A&M Core Curriculum – 42 hours

Required Core Areas:

- **Communication** (*ENGL 103/104 – 3 hours and 1 Communication elective – 3 hours*)
- **Mathematics** (*met within major*)
- **Life and Physical Sciences** (*met within major*)
- **American History** (*6 hours*)
- **Government/Political Science** (*POLS 206 – 3 hours and POLS 207 – 3 hours*)
- **Language, Philosophy and Culture** (*3 hours*)
- **Creative Arts** (*3 hours*)
- **Social and Behavioral Science** (*3 hours*)

International and Cultural Diversity (ICD) and Cultural Discourse (CD) Requirements

• **In addition to the state Core Curriculum, TAMU requires all students to take:**

- One 3-hour course in International and Cultural Diversity
- One 3-hour course in Cultural Discourse

•

Please note – A course **cannot count in 2 state Core Curriculum areas**, but a course may count as both:

- A state Core requirement **and** a TAMU International and Cultural Diversity requirement, **or**
- A state Core requirement **and** a TAMU Cultural Discourse requirement

The majority of classes that can count for both a state Core requirement and a TAMU ICD or CD requirement are in *Language, Philosophy and Culture, Creative Arts, or Social and Behavioral Science*.

Credit Hour Expectations

1 credit hour of **lecture** \approx 1 hour in class per week

A **3-credit hour course** will generally meet:

- Monday, Wednesday and Friday (MWF) for **50 minutes each day**
 - Tuesday and Thursday (TR) for **75 minutes each day**
- Monday and Wednesday (MW) for **75 minutes each day** (usually evening classes)


1 credit hour of **lab** \approx 3 hours in the lab per week

- Labs usually meet in a **3-hour block once a week**

Schedule **study time** for at least **2 – 3 hours per credit hour** each week

- e.g., for a 3 credit hour class, schedule at least 6 – 9 hours of studying per week

Important Info about the Section!

| | CRN # | Subject | Course | Section | Credits | Seats Open | Instruction Mode | Day(s) & Location(s) |
|--|-------|---------|---|---------|---------|------------|--------------------------------|---|
| <input checked="" type="checkbox"/>  | 11882 | PHYS | 221 | 500 | 3 | -1 | Traditional Face-to-Face (F2F) | MW 4:10pm - 5:25pm 01/13/2025 - 05/05/2025 MPHY 213 |
| Prerequisites | | | | | | | | |
| Title: Optics and Thermal Physics | | | Day(s) & Location(s): | | | | | |
| CRN #: 11882 | | | MW 4:10pm - 5:25pm MPHY 213 | | | | | |
| Subject: PHYS | | | Dates: 01/13/2025 - 05/05/2025 | | | | | |
| Course: 221 | | | Notes: PREREQ: PHYS 208 OR PHYS 219; MATH 152 or MATH 172; REGISTRATION IN MATH 221 OR MATH 251 OR MATH 253; MATH 308 OR REGISTRATION THEREIN. | | | | | |
| Section: 500 | | | Description: Optics and Thermal Physics. (3-0). Credit 3. Wave motion and sound, geometrical and physical optics, kinetic theory of gases, laws of thermodynamics. Prerequisites: PHYS 207 or PHYS 208, or concurrent enrollment; MATH 221, MATH 251, or MATH 253, or concurrent enrollment; MATH 308 or concurrent enrollment; also taught at Qatar campus. | | | | | |
| Credits: 3 | | | | | | | | |
| Seats Open: -1 | | | | | | | | |
| Instruction Mode: Traditional Face-to-Face (F2F) | | | | | | | | |
| Component: Lecture | | | | | | | | |
| Parts of Term: Spring 2025 - College Station - Semester | | | | | | | | |
| Section Attributes: College Station | | | | | | | | |
| Additional Information: | | | | | | | | |
| Course Eval No syllabus Vitaly Kocharovsky | | | | | | | | |
| Prerequisites: (PHYS 207 w/Min Grade D (concurrency) or PHYS 208 w/Min Grade D (concurrency)) and (MATH 221 w/Min Grade D (concurrency) or MATH 251 w/Min Grade D (concurrency) or MATH 253 w/Min Grade D (concurrency)) and MATH 308 w/Min Grade D (concurrency) | | | | | | | | |
| Section Fees: | | | | | | | | |
| Bookstore & Book Prices: | | | | | | | | |
| ◦ College Station (Barnes & Noble) | | | | | | | | |
| ◦ School of Law | | | | | | | | |
| Click here to review/order textbooks now | | | | | | | | |
| Campus: College Station | | | | | | | | |
| Instructor: Kocharovsky, Vitaly | | | | | | | | |

Notes

- Terms of Use and Location Update
- Prereq and Test Score Error
- Student Attribute Error
- Time Conflict Error
- Field of Study Restriction

Always check for: **'attributes'**, **'restrictions'**, **'corequisites'**, and **'prerequisites'** before trying to add a class to your schedule.

Contact Your Academic Advisor

We're here to help!



Sherree Kessler

Academic Advisor IV

- Email: skessler@tamu.edu
- Phone: 979.458.7607
- Office: Blocker 529 D

Thanks & Gig 'em!

Contact Physics and Astronomy



Mitchell Physics Bldg.



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