

Bachelor of Arts in Physics (BA PHYS)
2024 - 2025 Advising Handout

Important Information About Your Degree

- **College of Science Admission Requirement:** Students must demonstrate proficiency in College Algebra by placing into Math Level 2 or higher through the UNT Math Placement Exam (Not the same as TSI) OR completing College Algebra or higher with a grade of C or higher.
- **UNT Double-Dip Course Policy (Best Selection):** Courses shown in *italics* satisfy multiple degree program requirements. Students who do not take the Best Selection courses, will have to take additional courses to meet program requirements. Whether or not the course is taken to fulfill a specific university core category, all courses are required by the program to complete the degree. Electives may be required due to double-dipping.
- Hour and GPA Requirements for graduation/degree completion:
 - BS in Physics requires at least 120 hours, 42 advanced, 2.00 UNT GPA, 2.00 overall GPA, a minimum 2.50 GPA in all advanced science and mathematics courses
- Courses marked with an asterisk (*) require are grade of **C or Higher**.
- Courses in **bold** require prerequisites. **Prerequisites** are listed in the university catalog with the course description.
- An official degree audit is required for graduation; Students **must** meet with an academic advisor to request that their audit be made official. Students can review degree requirements by running their audit at <http://degreereadit.unt.edu/>
- For major-specific career information, contact the Department of Department in the Physics Building 110 or at physics@unt.edu.
- For teaching certification courses and requirements, contact tn@unt.edu.
- For assistance with TSI status or mandatory courses, contact TSI@unt.edu.
- For additional program information visit <https://cos.unt.edu/advising> or contact the COS Advising Center at cosadvising@unt.edu.

Advising Notation Key

X = Requirement Completed
 Credit is posted within the degree audit.

IP = In Progress/Pending Credit
 Advisor has seen proof from an unofficial transcript or an official score

? = Needs further evaluation
 Student may need to provide additional information. (ex. a course syllabus)

Major Requirements	
Complete one of the following:	
Option 1:	
PHYS 1510* & 1530* – General Physics I with Calculus & Lab	4
PHYS 1520* & 1540* – General Physics II with Calculus & Lab	4
Option 2:	
PHYS 1710* & 1730* – Mechanics & Lab	4
PHYS 2220* & 2240* – Electricity & Magnetism & Lab	4
Option 3:	
PHYS 1410* & 1430* – General Physics I & Lab	4
PHYS 1420* & 1440* – General Physics I & Lab	4
PHYS 2220* & 2240* – Electricity & Magnetism & Lab	4
All courses listed below are required for the degree	
PHYS 3010 & 3030 – Modern Physics & Lab	4
Complete 15 hours of advanced physics courses	
PHYS 3000 – 4000 – See faculty advisor	3
PHYS 3000 – 4000 – See faculty advisors	3
PHYS 3000 – 4000 – See faculty advisors	3
PHYS 3000 – 4000 – See faculty advisors	3
PHYS 3000 – 4000 – See faculty advisors	3
Other Required Courses for Degree	
MATH 1710* – Calculus I	4
MATH 1720* – Calculus II	3
MATH 2730 – Multivariable Calculus	3
CHEM 1410 & 1430 – General Chemistry 1 & Lab	4
CHEM 1420 & 1440 – General Chemistry 2 & Lab	4

University Core Requirements	
42 hours – Students may elect to take any course approved for the University Core Curriculum to fulfill these requirements; however, there are courses recommended in the core categories for students pursuing a Physics major	
Composition I*:	3
Composition II*:	3
<i>Math:</i>	3
<i>Life & Physical Science:</i>	3
<i>Life & Physical Science:</i>	3
<i>Creative Arts:</i>	3
<i>Language, Philosophy & Culture:</i>	3
<i>US History to 1865:</i>	3
<i>US History from 1865:</i>	3
<i>Federal Government:</i>	3
<i>Texas Government:</i>	3
<i>Social & Behavioral Sciences:</i>	3
<i>Component Area Option I:</i>	3
<i>Component Area Option II:</i>	3
College Requirements	
Complete one of the following two options: COS Breadth or Foreign Language	
Option 1 - COS Breadth: Complete 12 hours from any subject outside of College of Science (Cannot count for Core)	
Breadth -	3
Breadth -	3
Breadth -	3
Breadth -	3
Option 2 - Foreign Language: Must demonstrate proficiency through the 2050 level in one language: Arabic, American Sign Language, Chinese, French, German, Italian, Japanese, Korean, Latin, or Spanish	
2040 -	3
2050 -	3
Additional University Requirements	
A minimum of 17 hours of advanced electives are needed to meet university requirement of 36 advanced hours.	

*This information is for **ADVISING ONLY** and is not official. Requirements can and do change without notification.