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 with a Astrophysics Concentration 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://degreeaudit.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 tnt@unt.edu.
- For assistance with TSI status or mandatory courses, contact <u>TSI@unt.edu</u>.
- For additional program information visit https://cos.unt.edu/advising or contact the COS Advising Center at cosadvising@unt.edu.

	Ad	visina	Notation Key		
X = Requirement Completed Credit is posted within the degree audit.	IP = In Prog Advisor has seen prog		ogress/Pending Credit of from an unofficial transcript or n official score	? = Needs further evaluation Student may need to provide additiona information. (ex. a course syllabus)	al
Major Requirements Complete one of the following:			University Core Requirements 42 hours – Students may elect to take any course approved for the University Core		
Option 1:		Curriculum to fulfill these requirements; however, there are courses recommended in the core categories for students pursuing a Physics major			
PHYS 1510* & 1530* – General Physics I with Calculus & Lab		4	Composition I*:		3
PHYS 1520* & 1540* – General Physics II with Calculus & Lab		4	'		3
Option 2:			Math:		3
PHYS 1710* & 1730* – Mechanics & Lab		4	Life & Physical Science: 3		3
PHYS 2220* & 2240* – Electricity & Magnetism & Lab		4	Life & Physical Science:	Life & Physical Science:	
Option 3:			Creative Arts:		3
PHYS 1410* & 1430* – General Physics I & Lab		4	Language, Philosophy &	Culture:	3
PHYS 1420* & 1440* – General Physics I & Lab		4	US History to 1865:		3
PHYS 2220* & 2240* – Electricity & Magnetism &	Lab	4	US History from 1865:		3
All courses listed below are required for the degree		Federal Government:	Federal Government: 3		

Texas Government:

Social & Behavioral Sciences:

Component Area Option I:

Component Area Option II:

Additional University Requirements

A minimum of 17 hours of advanced electives are needed to meet university

requirement of 36 advanced hours

3

3

Credit is posted within the degree audit.	Advisor has seen prod an			
Major Requirements				
Complete one of the following:				
Option 1:				
PHYS 1510* & 1530* – General Physics I with Calculus & Lab				
PHYS 1520* & 1540* – General Physics II with Calculus & Lab				
Option 2:				
PHYS 1710* & 1730* - Mechanics & Lab				
PHYS 2220* & 2240* - Electricity & Magnetism & Lab				
Option 3:				
PHYS 1410* & 1430* – General Physics I & Lab				
PHYS 1420* & 1440* - General Physics I & Lab				
PHYS 2220* & 2240* - Electricity & Magnetism & Lab				
All courses listed below are required for the degree				
PHYS 3010* & 3030* - Modern Physics & Lab	4			
PHYS 3210* – Mechanics				
PHYS 3310* – Mathematical Methods in Phys. Sciences				
PHYS 3420* - Electronics				
PHYS 3510* - Physics, Computation & Software Applications				
PHYS 4110* – Statistical and Thermal Physics				
PHYS 4210* – Electricity and Magnetism				
PHYS 4310* - Quantum Mechanics				
PHYS 4950* – Physics Senior Thesis				
PHYS 4955* – Senior Thesis Capstone				
Concentration in Astrophysics				
Complete 3 courses (9 hours) from the following with a C or higher				
PHYS 3950* – Observational Astronomy	3			
PHYS 4150*- Experimental Physics 1				
PHYS 4650* – Intro. to Modern Astrophysics				
PHYS 4750* – Galaxies and Cosmology				
Other Required Courses for Degree				
MATH 1710* – Calculus I				
MATH 1720* – Calculus II				
MATH 2700* – Linear Algebra and Vector Geometry				
MATH 2730* – Multivariable Calculus				
MATH 3410* – Differential Equations				
CHEM 1410* & 1430* – General Chemistry 1 & Lab				
CHEM 1420 & 1440 – General Chemistry 2 & Lab				