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 Computational 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 <u>physics@unt.edu.</u>
- 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.

X = Requirement Completed IP =			= In Pro	sing Notation Key In Progress/Pending Credit In proof from an unofficial transcript or		? = Needs further evaluation Student may need to provide additional		
7447001114000				an official score		information. (ex. a course syllabus)		
Major Requirements Complete one of the following:				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				
	PHYS 1510* & 1530* – General Physics I with Ca	Iculus & Lab	4		Composition I*:	s for students pursuing a Physics major	3	
	PHYS 1520* & 1540* – General Physics II with Ca		4		Composition II*:		3	
	Option 2:				Math:		3	
	PHYS 1710* & 1730* - Mechanics & Lab		4		Life & Physical Science:		3	
	PHYS 2220* & 2240* – Electricity & Magnetism &	Lab	4		Life & Physical Science:		3	
	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:		3	
	PHYS 3010* & 3030* - Modern Physics & Lab		4		Texas Government:		3	
	PHYS 3210* - Mechanics		3		Social & Behavioral Scier	nces:	3	
	PHYS 3310* – Mathematical Methods in Phys. Sc	ciences	3		Component Area Option	l:	3	

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				
PHYS 3210* – Mechanics	3				
PHYS 3310* – Mathematical Methods in Phys. Sciences	3				
PHYS 3420* - Electronics	3				
PHYS 3510* – Physics, Computation & Software Applications	3				
PHYS 4110* – Statistical and Thermal Physics					
PHYS 4210* – Electricity and Magnetism					
PHYS 4310* – Quantum Mechanics					
PHYS 4950* – Physics Senior Thesis	3				
PHYS 4955* – Senior Thesis Capstone	3				
Concentration in Computation					
Complete 3 courses (9 hours) from the following with a C or higher					
CHEM 4660* – Intro. to Computational Chemistry	3				
MATH 3350* – Intro. to Numerical Analysis	3				
PHYS 3910* – Interim Computational Modeling of Phys. Sys.					
PHYS 4600* – Computer Based Physics	3				
Other Required Courses for Degree					

MATH 2700* - Linear Algebra and Vector Geometry

CHEM 1410* & 1430* - General Chemistry 1 & Lab

CHEM 1420 & 1440 - General Chemistry 2 & Lab

MATH 1710* - Calculus I MATH 1720* - Calculus II

MATH 2730* - Multivariable Calculus

MATH 3410* - Differential Equations

Additional University Requirements A minimum of 17 hours of advanced electives are needed to meet university requirement of 36 advanced hours.

Component Area Option II:

3

3

3

3

4

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