UNT EST. 1890 | COLLEGE OF SCIENCE

BS IN PHYSICS ACADEMIC MAP 2019-2020

Degree in Three

Students would be expected to complete the following before starting at the University of North Texas. Students can earn AP credit, transfer credit or a combination of both:

AP Exam	Score	Dual Credit or Transfer Credit	Hrs.
English Language and Composition	5	ENGL 1301 and 1302	6
History, U.S.	3, 4, 5	HIST 1301 and 1302	6
Chemistry	5	CHEM 1411 and 1412	8
Government and Politics-US	3, 4, 5	GOVT 2305	3
Calculus BC	3, 4, 5	MATH 2313 (2413; 2513) and 2314 (2414)	6-9
Credit:	***30***		***29-32***

Courses at UNT:

Year One			
FALL	**Hrs.**	**SPRING**	**Hrs.**
PHYS I & Lab Option	4	PHYS II & Lab Option	4
MATH 2730 Multi-Variable Calculus	3	MATH 2700 Linear Algebra	3
PSCI 2306 US & TX Constitutions & Institut	3	CSCE 1030 Computer Science I	4
Elective	3	Creative Arts	3
Elective	3		
Total hours	***16***	***Total hours***	***14***

Year Two			
FALL	**Hrs.**	**SPRING**	**Hrs.**
PHYS 3010/3030 Modern Physics & Lab	4	PHYS 3420 Electronics	4
PHYS 3210 Mechanics	3	PHYS 4110 Stats. & Thermal Physics	3
PHYS 3310 Math Methods in Phys Sci	3	PHYS Elective (Advanced)	3
MATH 3410 Differential Equations I	3	Language, Philosophy & Culture	3
Elective	3	Elective	3
Total hours	***16***	***Total hours***	***16***

Year Three			
FALL	**Hrs.**	**SPRING**	**Hrs.**
PHYS 4210 Electricity and Magnetism	3	PHYS 4310 Quantum Mechanics	3
PHYS 4950 Senior Thesis	3	PHYS 4955 Senior Thesis Capstone	3
PHYS Elective (Advanced)	3	PHYS Elective (Advanced)	3
Social & Behavioral Sciences	3	Elective (Advanced)	1
Elective	1-4	Elective	3
Total hours	***13-16***	***Total hours***	***13***

Options for Advanced Physics Electives:

PHYS 4150 Experimental Physics I
PHYS 4220 Electromagnetic Waves
PHYS 4420 Physical Optics
PHYS 4520 Nano Physics
PHYS 4500 Intro to Solid-State Physics
PHYS 4600 Computer Based Physics
4650 Astrophysics