

BS IN PHYSICS DEGREE IN THREE ACADEMIC MAP

2017-2018 CATALOG YEAR

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	Hours
Physics 1, 2	4, 5	PHYS 1301/1101	4.0
Physics C	3	PHYS 2326/2126	4.0
Chemistry	5	CHEM 1411	4.0
		CHEM 1412	4.0
English Language and Composition	3, 4, 5	ENGL 1301	3.0
American Government	3	PSCI 2305	3.0
Calculus BC	3, 4, 5	MATH 2314/2414	3.0-4.0
Credit:	26.0		25.0-26.0

First Year at UNT:

Year One			
FALL	Hrs.	SPRING	Hrs.
MATH 2730 Multi-Variable Calculus	3	MATH 2700 Linear Algebra	3
PHYS 3010/3030 Modern Physics & Lab	4	PHYS 3420 Electronics	4
TECM 2700	3	CSCE 1030 Computer Science I	4
Elective	3	Creative Arts	3
<i>Total hours</i>	<i>13</i>	<i>Total hours</i>	<i>14</i>

Year Two			
FALL	Hrs.	SPRING	Hrs.
PHYS 3210 Mechanics	3	PHYS 4110 Stats. & Thermal Physics	3
PHYS 3310 Math Methods in Physical Sciences	3	PHYS Elective (Advanced)	3
MATH 3410 Differential Equations I	3	HIST 2620	3
HIST 2610	3	Language, Philosophy & Culture	3
Elective	3	Elective	3
<i>Total hours</i>	<i>15</i>	<i>Total hours</i>	<i>15</i>

Year Three			
FALL	Hrs.	SPRING	Hrs.
PHYS 4210 Electricity and Magnetism	3	PHYS 4310 Quantum Mechanics	3
PHYS Elective (Advanced)	3	PHYS Elective (Advanced)	3
PHYS 4950 Senior Thesis	3	PHYS 4955 Senior Thesis Capstone	3
Social & Behavioral Sciences	3	Elective (Advanced)	3
PSCI 2306 TX Gov't	3	Category I	3
<i>Total hours</i>	<i>15</i>	<i>Total hours</i>	<i>15</i>

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