

# BS IN PHYSICS ACADEMIC MAP 2020-2021

## 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
English Literature and Composition	3, 4, 5	ENGL 2332	3
Physics C (Mechanics)	4, 5	PHYS 2425	4
Calculus BC	3, 4, 5	MATH 2313 (2413; 2513) and 2314 (2414)	6-9
History, U.S.	3, 4, 5	HIST 1301 and 1302	6
Government and Politics-US	3, 4, 5	GOVT 2305	3
<b>Credit:</b>	<b>29</b>		<b>28-31</b>

### Courses at UNT:

<i>Year One</i>			
FALL	Hrs.	SPRING	Hrs.
MATH 2700 Linear Algebra	3	PHYS II & Lab option	4
MATH 2730 Multi-Variable Calculus	3	MATH 3410 Differential Equations I	3
CHEM 1410/1430 Gen Chemistry I & Lab	4	CHEM 1420/1440 Gen Chemistry II & Lab	4
Creative Arts	3	PSCI 2306 US & TX Constitutions & Institut	3
Elective	3		
<b>Total hours</b>	<b>16</b>	<b>Total hours</b>	<b>14</b>

<i>Year Two</i>			
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
Elective	3	PHYS 3510 Phys, Comp, & Software Apps	3
Elective	3	Elective	0-3
<b>Total hours</b>	<b>16</b>	<b>Total hours</b>	<b>13-16</b>

<i>Year Three</i>			
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	3
Elective	3	Elective	3
<b>Total hours</b>	<b>15</b>	<b>Total hours</b>	<b>15</b>