

BA IN MATHEMATICS (WITH CERTIFICATION)

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 ENGL 1302	6
English Literature and Composition	3, 4, 5	ENGL 2332	3
Calculus BC	3, 4, 5	MATH 2313 (2413; 2513) and 2314 (2414)	6-9
Physics C (Mechanics)	4, 5	PHYS 2425	4
History, US	3, 4, 5	HIST 1301 and 1302	6
Government and Politics-US	3, 4, 5	GOVT 2305	3
Computer Science OR Computer Science Principles	3, 4, 5	CSCE 1336 (1436)	3-4
Credit:	32-33		31-35

Courses at UNT:

<i>Year One</i>			
FALL	Hrs.	SPRING	Hrs.
MATH 2000 Discrete Mathematics	3	MATH 2730 Multivariable Calculus	3
MATH 2100 Functions & Modeling	3	MATH 3000 Real Analysis I	3
Elective	3	MATH 2700 Linear Alg & Vector Geom	3
TNTX 1100 Secondary Teacher Prep I	1	TNTX 1200 Secondary Teacher Prep II	2
LANG 1010 Elem I or Tech Wr option	3	LANG 1020 Elem II or Tech Writing option	3
Creative Arts	3	Social & Behavioral Sciences	3
Total Hours	16	Total Hours	17

<i>Year Two</i>			
FALL	Hrs.	SPRING	Hrs.
MATH 3510 Abstract Algebra OR MATH 3610 Real Analysis II	3	MATH 3680 Applied Statistics	3
MATH 3850 Mathematical Modeling	3	MATH 4060 Foundations of Geometry	3
TNTX 3100 Conceptual Alg & Geom	3	PSCI 2306 US & TX Constitutions & Institut	3
EDCI 4060 Content Area Reading	3	Lab Science option (PHYS 2220/2240 Elect & Mag & Lab if obtaining Physics cert also)	3-5
EDCI 3500 Knowing & Learning	3	EDCI 4000 Classroom Interactions	3
Total Hours	15	Total Hours	15-17

<i>Year Three</i>			
FALL	Hrs.	SPRING	Hrs.
MATH 4050 Adv Study of Math Curriculum	3	EDCI 4608 Apprentice Teaching I	3
MATH Analysis or Algebra Option	3	EDCI 4618 Apprentice Teaching II	3
Science option (PHYS 3010/3030 Modern Physics & Lab if obtaining Physics cert also)	3-4	EDSE 4628 Apprentice Teach Seminar	1
EDCI 4500 Project-Based Instruction	3		
Elective	3-4		
Total hours	15-17	Total hours	7