



**NCTC ASSOCIATE OF ARTS (AA) GENERAL STUDIES DEGREE
MATH PATHWAY
2023-2024 CATALOG**

The following is a recommended sequence of courses for students intending on majoring in a **Math field** at a Texas public university, and maps out how you can earn your **Associate of Arts (AA) General Studies degree** from NCTC as well. The transfer university is the final authority on determining if all the courses within the NCTC Associate of Arts degree are transferable and applicable for an intended major, so students should always consult with an advisor at the university level regarding approved and required coursework.

Students placing at college preparatory levels will have additional courses to complete before taking eligible college-level courses in this sequence, and some courses may have prerequisites. Please check the course descriptions in the [NCTC catalog](#). This suggested sequence only maps out Fall and Spring semesters however the [number of courses taken each semester](#) can be adjusted if classes are also taken during Summer and/or Minimesters. Depending on how many credit hours you have already attempted, **all courses on this pathway may not be [Financial Aid](#) eligible through NCTC** however there are other resources to help with [paying for college](#).

FIRST SEMESTER		CREDIT HOURS
ENGL 1301	Composition I	3
EDUC 1300	Learning Frameworks	3
HIST 1301	U.S. History I (<i>up to 1865</i>)	3
MATH Core	MATH 2414-Calculus II**	4
Elective	COSC 1436-Programming Fundamentals I*	<u>4</u>
		17
SECOND SEMESTER		
ENGL 2311 or 1302	Technical Writing or Composition II	3
HIST 1302 or 2301	U.S. History II (<i>1865 to present</i>) or Texas History	3
ARTS Core	MUSI 1306 or other Creative Arts core	3
2 nd MATH	MATH 2415-Calculus III*	4
1 st LAB SCIENCE Core	PHYS 2425-Univ. Physics I**, CHEM 1411-Gen. Chem. I, BIOL 1406-Bio. for Science Majors I, GEOL 1401-Earth Sciences I, or ASTR 1403-Stars and Galaxies*	<u>4</u>
		17
THIRD SEMESTER		
GOVT 2305	American National Government	3
SOCIAL/BEHAV Core	ECON 2301-Macroeconomics or other Social Science core	3
Elective	MATH 2320-Differential Equations or MATH 2305-Discrete Math*	3
2 nd LAB SCIENCE Core	PHYS 2426-Univ. Physics II, CHEM 1412-Gen. Chem. II, BIOL 1407-Bio. for Science Majors II, GEOL 1402-Earth Sciences II, or ASTR 1404-Solar System*	<u>4</u>
		13
FOURTH SEMESTER		
GOVT 2306	Texas Government	3
LANG/PHIL/CULTURE Core	PHIL 2306-Intro. to Ethics or other Lang/Phil/Culture core	3
SPCH 1311, 1315, or 1321	Intro. to Communication, Public Speaking, or Business and Professional Speech	3
Elective	MATH 2318-Linear Algebra*	3
Elective	MATH 1342-Statistics, EDUC 1301-Intro to Teaching, Science Core*	<u>3-4</u>
		15-16
	<i>Total Credit Hours (apply for Graduation!)</i>	62-63*

*Consult with your intended transfer university advisor to determine which NCTC courses would satisfy both elective and [core requirements](#) for your major, and also how many credit hours beyond the 60 hours required for an AA or AS degree are transferable.

**MATH, PHYS, and certain Science courses have prerequisites, some of which may be waived if required scores have been earned on [CLEP](#), [AP](#), [IB](#), or other credits by exam. Until prerequisites for this pathway have been completed, students will be in an AA-PreSTEM pathway major.

NCTC ADVISING: www.nctc.edu/advising

NCTC TRANSFER SCHOOLS & INFO: www.nctc.edu/transfer

TEXAS ON COURSE: <https://texasoncourse.org/>

TEXAS COMMON COURSE NUMBERING SYSTEM (TCCNS): www.tccns.org

WHAT CAN I DO WITH THIS MAJOR: <https://whatcanidowiththismajor.com/major/>

NORTH TEXAS COMMUNITY COLLEGE PATHWAYS: <http://ntxccc.org/content/transfer>