



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

The following is a recommended sequence of courses for students intending on majoring in a **Pre-STEM (Science, Technology, Engineering, Mathematics) 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 1314-College Algebra	3
1 st LAB SCIENCE Core	BIOL 1406-Biology for Science Majors I or BIOL 2401-Anat. and Phys. I*	<u>4</u>
		16-17
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 2412-Pre-Calculus I**	3-4
2 nd LAB SCIENCE Core	BIOL 1407-Biology for Sci. Majors II, BIOL 2402-Anat. and Phys. II, or COSC 1436-Programming I*	<u>4</u>
		17
THIRD SEMESTER		
GOVT 2305	American National Government	3
SPCH 1311, 1315, 1321	Intro. to Communication, Public Speaking, or Business and Professional Speech	3
Elective	MATH 2413-Calculus I*	4
Elective	CHEM 1411-General Chem I, PHYS 1401-College Physics I or PHYS 2425-University Physics I**	4
LANG/PHIL/CULTURE Core	HUMA 1301-Intro. to Humanities or other Lang/Phil/Culture core	<u>3</u>
		17
FOURTH SEMESTER		
GOVT 2306	Texas Government	3
SOCIAL/BEHAV Core	ANTH 2346-General Anthropology or other Social Science core	3
Elective	CHEM 1412-Gen Chem II, PHYS 1402-College Phys II, PHYS 2426-University Phys II, or COSC 1437-Programming II*	4
Elective	MATH 1342-Stats., MATH 2414-Calc. II, COSC 2436-Prog. III, or COSC 2425-Comp. Org.*	<u>4</u>
		14
	<i>Total Credit Hours (apply for Graduation!)</i>	64-65*

*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. Once relevant prerequisites in this pathway have been completed, students will change to their STEM-related 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>