

A.S. Mathematics 2021 - 2022

EXPECTED DEGREE

AS in Mathematics (60 sch)

+ These courses are only offered in the semester indicated.

** Please see a faculty advisor or division chair to discuss requirements for your transfer university.

PROGRAM DESCRIPTION

Division Chair: Dr. Paula Wilhite (pwilhite@ntcc.edu) 903-434-8281

Faculty Advisors: Dr. Doug Richey (drichey@ntcc.edu),

Dr. Leah Reagan (lreagan@ntcc.edu), Dr. Jackie Johnston (jjohnston@ntcc.edu)

Students should consult the division chair or a faculty advisor early in their program of study.

These are suggested courses for students who plan to transfer to a four-year college or university and major in mathematics. Transferability and specific requirements can be

determined only by the receiving institution. Only college-level courses apply toward

completion of this curriculum and the graduation requirements for the A.S. **CIP: 24.0102**

Tuition Costs and Scholarship Information for this degree can be found at: <https://catalog.ntcc.edu/>

Information for Financial Aid assistance can be found at: <https://catalog.ntcc.edu/>

RECOMMENDED COURSE SELECTION

Fall 1st Year	SCH	Semester Completed	Grade	Notes for Students:
MATH 2413 - Calculus I [^]	4			[^] Prerequisite for Calculus I (MATH 2413): Precalculus (MATH 2412) or equivalent or approval by division chair *See division chair for approval of alternate choices.
CHEM 1409 - Gen Chem for Engr +*	4			
ENGL 1301 - English Comp I	3			
Core Course: Communication	3			
Semester Credit Hours	14			
Spring 1st Year	SCH	Semester Completed	Grade	Notes for Students:
MATH 2414 - Calculus II	4			*See division chair for approval of alternate choices.
PHYS 2425 - Advanced Physics I *	4			
Core Course: English (CAO) A	3			
Core Course: Creative Arts	3			
Semester Credit Hours	14			
Summer 1st Year	SCH	Semester Completed	Grade	Notes for Students:
Core Course: History	3			
Core Course: History	3			
Semester Credit Hours	6			
Fall 2nd Year	SCH	Semester Completed	Grade	Notes for Students:
MATH 2415 - Calculus III	4			*See division chair for approval of alternate choices.
MATH 2318 - Linear Algebra +	3			
PHYS 2426 - Advanced Physics II +*	4			
Core Course: Government	3			
Semester Credit Hours	14			
Spring 2nd Year	SCH	Semester Completed	Grade	Notes for Students:
MATH 2320 - Differential Equations +	3			DO THIS: Apply for graduation for AS Mathematics *See division chair for alternate choices.
Core Course: Social/Behavioral	3			
Core Course: Government	3			
Core Course: Lang/Phil/Cultu	3			
Semester Credit Hours	12			

Total Required Associate of Science in Mathematics = 60 Semester Credit Hours

CAREER OPPORTUNITIES - All data listed below incorporate Northeast Texas jobs and entry wages found on <http://www.texaswages.com/WDAWages>

<i>Career option #1</i>	<i>Software Dev</i>	<i>Career option #2</i>	<i>Actuary</i>	<i>Career option #3</i>	<i>Research & Design</i>
<i>\$Starting Salary</i>	<i>\$37,000</i>	<i>\$Starting Salary</i>	<i>\$65,000</i>	<i>\$Starting Salary</i>	<i>\$85,300</i>
<i>w/Associate's Degree</i>		<i>w/Bachelor's Degree</i>		<i>w/Doctoral Degree</i>	