

Associate of Science (AS) in Chemistry

EXPECTED DEGREE

AS in Chemistry (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 and FACULTY

The A.S. degree in Chemistry is intended as the first 2 years toward a 4-year university degree in chemistry which can serve as the foundation to apply to a Ph.D graduate program or professional school of medicine, dentistry, pharmacy or physical therapy. **Faculty Advisor: Dr. Drew Murphy (dmurphy@ntcc.edu) 903-434-8214**
Division Chair: Dr. Mary Hearnon (mhearnon@ntcc.edu) 903-434-8296 CIP: 40.0501

RECOMMENDED COURSE SELECTION

Fall 1st Year	SCH	Semester Completed	Grade	Notes for Students:
CHEM 1411 - Gen Chemistry I	4			** Meet with faculty advisor or division chair ^ Universities require MATH 2413, 2414, 2415, but they are not required for the A.S. degree. Some universities require MATH 2320, although it is strongly recommended for CHEM majors. <input type="checkbox"/> MATH 2415 - Calculus III (4) <input type="checkbox"/> MATH 2414 - Calculus II (4) <input type="checkbox"/> MATH 2320 - Differential Equations (3)+
MATH 2413 - Calculus I ^	4			
Social Behavioral-Choose one from Core	3			
ENGL 1301 - English Comp I	3			
Semester Credit Hours	14			
Spring 1st Year	SCH	Semester Completed	Grade	Notes for Students:
CHEM 1412 - Gen Chemistry II	4			** Meet with faculty advisor or division chair DO THIS: Schedule a campus tour with transfer university.
PHYS 2425 - Advanced Physics I +	4			
ENGL 2311 - Technical & Business Writing	3			
SPCH 1315 or 1322	3			
Semester Credit Hours	14			
Summer 1st Year	SCH	Semester Completed	Grade	Notes for Students:
Am History-Choose one from Core	3			The General Biology sequence is recommended for transfers to a biochemistry major. BIOL 1406 - Gen Bio I (4) and BIOL 1407 - Gen Bio II (4) available in Summer sessions
Am History II-Choose one from Core	3			
Semester Credit Hours	6			
Fall 2nd Year	SCH	Semester Completed	Grade	Notes for Students:
CHEM 2423 - Organic Chemistry I +	4			** Meet with faculty advisor or division chair DO THIS: Confirm courses for completion of AS degree by meeting with a faculty advisor or division chair. DO THIS: Start applying for admission to transfer university, and send first official transcript to transfer university.
GOVT 2305 - Federal Government	3			
PHYS 2426 - Advanced Physics II +	4			
Creative Arts - Choose one from Core	3			
Semester Credit Hours	14			
Spring 2nd Year	SCH	Semester Completed	Grade	Notes for Students:
CHEM 2425 - Organic Chemistry II +	4			** Meet with faculty advisor or division chair DO THIS: Apply for graduation for AS Chemistry DO THIS: Confirm admission to transfer university, and send final official transcript to transfer university at the end of semester.
GOVT 2306 - Texas Government	3			
Approved Chemistry Elective**	2			
Lang/Phil/Culture - Choose one from Core	3			
Semester Credit Hours	12			

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

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

Chemical Technician

\$56,012

w/Bachelor's Degree

Chemistry Professor

\$64,583

w/Master's Degree

Chemical Engineer

\$147,720

w/Doctoral Degree