



TRANSFER PATHWAY GUIDE 2025-2026

Associate in Science to
Bachelor of Science in Chemistry (Forensics Track)

Overview

Completion of the following curriculum will satisfy the requirements for the Associate in Science (AS) degree at Gateway Community and Technical College (GCTC) and leads to the Bachelor of Science (BS) in Chemistry (Forensics Track) degree at Northern Kentucky University (NKU).

Applying to the Gateway2NKU Program

Students can apply to participate in the pathway program by completing the online application on the NKU transfer webpage. Students must be enrolled in at least six credit hours at Gateway, enrolled in an associate degree program, plan to transfer to NKU, and maintain a minimum 2.0 cumulative GPA at Gateway.

Degree Requirements for GCTC

1. Completion of minimum of 60 credit hours
2. Minimum cumulative GPA 2.0
3. Minimum of 15 credit hours earned at the institution awarding the degree
4. Demonstration of digital literacy
5. College success requirement

Admission Requirements to NKU

Students completing an associate degree with a cumulative GPA of 2.0 or higher will be accepted into NKU.

Degree Requirements for NKU

To earn a bachelor's degree at NKU, students must:

1. Complete a minimum of 120 credit hours
2. Complete at least 25% of the required credit hours at NKU
3. Complete the last 30 credit hours at NKU
4. Complete at least 45 credit hours numbered 300 or above
5. Minimum 2.0 cumulative GPA across all coursework
6. Meet all requirements for the major
7. Completion of a minor, focus, or second major (if required by the major)

General Transfer Information

Students must complete the online application to NKU. There is no application fee for students who are transferring from GCTC.

KCTCS Scholars Award: Students who are KY residents transferring directly from a KCTCS institution with at least 36 hours from that institution and minimum GPA of 3.0, were never enrolled as a degree-seeking student at NKU, and will be enrolled in at least 12 credit hours both fall and spring semester are eligible for a limited number of annual scholarships (fall and spring only). Students must gain admission to NKU by June 15 for fall and November 1 for spring to be eligible for a possible scholarship. Online accelerated programs are not eligible for the KCTCS Scholars Award.

Tuition and scholarship information specific to transfer students can be found on the NKU Adult & Transfer Center's website.

GCTC AS TO NKU BS IN CHEMISTRY (FORENSICS TRACK) CHECKLIST

Gateway Community and Technical College

Category 1: GCTC General Education Core Requirements

GCTC Course	Course or Category	Credits	NKU Course	Completed
ENG 101	Writing I (WC)	3	ENG 101	
ENG 102	Writing II (WC)	3	ENG 102	
TBS XXX	Oral Communication (OC)	3	TBD XXX	
TBS XXX	Arts & Humanities (AH) – Heritage	3	TBD XXX	
TBS XXX	Arts & Humanities (AH) – Humanities	3	TBD XXX	
JUS 101U	Introduction to Criminal Justice (SB)	3	JUS 101	
TBS XXX	Social & Behavioral Sciences Course (SB)	3	TBD XXX	
CHE 170/175*	General College Chemistry I with Lab (NS)	5	CHE 120/120L	
CHE 180/185*	General College Chemistry II with Lab II (SL)	5	CHE 121/121L	
MAT 171	Pre-Calculus (QR)	5	MAT 119	
MAT 175	Calculus I (QR)	5	MAT 129	
	Subtotal General Education Core Courses	41		

TBS XXX means to be selected by GCTC student.

TBD XXX means to be determined by NKU based on course selected.

For Social and Behavioral Sciences courses, two disciplines must be represented and different from those in the Arts and Humanities category.

*Labs must be taken in person.

Category 2: GCTC AS Requirements

GCTC Course	Course or Category	Credits	NKU Course	Completed
BIO 114/115	Biology I	4	BIO 150/150L	
BIO 116/117	Biology II	4	BIO 151/151L	
	Subtotal AS Requirement Courses	8		

Category 3: GCTC Electives

GCTC Course	Course or Category	Credits	NKU Course	Completed
CIT 105 or OST 105*	Introduction to Computing or Introduction to Information Systems	3	INF 101	
FYE 105 or FYE 110	Achieving Academic Success or First Year Experiences and Applications	3	UNV 100T	
MAT 185	Calculus II	5	MAT 229	
	Subtotal Elective Courses	11		
	Total Associate Degree Hours	60		

If completing digital literacy using other means (like FYE 110), additional credit hours will be required in order to fulfill elective requirements.

Northern Kentucky University

Category 4: NKU Major Requirements for the BS in Chemistry – Biochemistry Track

NKU Course	Course	Credits	GCTC Course	Taken at GCTC
CHE 125	Introduction to Chemistry & Biochemistry	1		
CHE 120/120L	General Chemistry I with Lab	4	CHE 170/175	x
CHE 121/121L	General Chemistry II with Lab	4	CHE 180/185	x
CHE 300	Careers in Chemistry	1		
CHE 310/310L	Organic Chemistry I with Lab	4	CHE 270/275	
CHE 311/311L	Organic Chemistry II with Lab	4	CHE 280/285	
CHE 340/340L	Analytical Chemistry with Lab	5		
CHE 360	Physical Chemistry I	3		
CHE 391W	Chemical Information and Writing	3	NKU Course	x
CHE 400	Chemistry Seminar	1		
CHE 482/482L	Biochemistry I with Lab	4		
MAT 129	Calculus I	4	MAT 175	x
MAT 229	Calculus II	5	MAT 185	x
PHY 211	General Physics I with Lab	4	PHY 201/202	
PHY 213	General Physics II with Lab	4	PHY 203/204	

Category 5: NKU Major Track Requirements for the BS in Chemistry - Forensics Track

NKU Course	Course	Credits	GCTC Course	Taken at GCTC
BIO 150/150L	Introduction to Biology I with Lab	4	BIO 114/115	x
BIO 151/151L	Introduction to Biology II with Lab	4	BIO 116/117	x
BIO 349/349L	Genetics with Lab	4		
BIO 400/400L	Advanced Molecular Biology with Lab	4		
CHE 300	Careers in Chemistry	1		
CHE 361/362L	Physical Chemistry II with Lab	5		
CHE 400	Chemistry Seminar	1		
JUS 101	Introduction to Criminal Justice (SB)	3	JUS 101U	x
JUS 204	Criminal Investigation	3	CRJ 204	
STA 205	Statistical Methods	3	STA 220	x
BIO 455L or CHE 350/350L	Scanning Electron Microscopy or Instrumental Analysis with Lab	3-5		
	Subtotal Major Credit Hours at NKU	57-60		
	Subtotal Major Credit Hours at GCTC	28		
	Total Major Credit Hours	84-86		
	Subtotal of Additional Credit Hours Completed at GCTC	32		

Note: Students majoring in a BS Chemistry may choose from the following tracks: General Chemistry Track, Biochemistry Track, Forensics Track, or Pharmaceutical Science Track. Category 5 above outlines the courses for the Forensics Track. Students interested in another track should see the course catalog or transfer pathway, and work with an NKU advisor. Students interested in pre-professional programs (i.e. pre-med, pre-vet, etc.) should refer to the Biochemistry Track.

Category 6: Additional Requirements at NKU

NKU Course	Course	Credits	GCTC Course	Taken at GCTC
	Subtotal Elective Hours (1-3 must be 300 level or higher)	7		
	Total Baccalaureate Degree Credit Hours	120		

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