



TWO DEGREES, ONE PATH

TRANSFER PATHWAY GUIDE 2025-2026

Associate in Science to
Bachelor of Arts in Chemistry with Secondary Education

Overview

Completion of the following curriculum will satisfy the requirements for the Associate in Science (AS) degree at a Kentucky Community and Technical College System (KCTCS) institution and leads to the Bachelor of Arts (BA) in Chemistry with Secondary Education degree at Northern Kentucky University (NKU).

Applying to the KCTCS2NKU 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 their KCTCS institution, enrolled in an associate degree program, plan to transfer to NKU, and maintain a minimum 2.0 cumulative GPA at their KCTCS institution.

Degree Requirements for KCTCS

1) Completion of minimum 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, and 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.

In addition, students must meet the following requirements for admission into Education. Courses in parentheses are KCTCS course equivalencies.

- A minimum overall GPA of 2.75
- A minimum grade of "B" in CMST 101 (COM 181) and ENG 102 (ENG 102)
- A minimum grade of "C" in all other pre-admission courses and required EDU and EDS courses which include EDU 300 (EDP 202), EDU 305 (EDU 201), EDU 313 (EDU 204), and EDS 360 (EDP 203).

- Meet the entrance exam requirement through an approved combination of passing scores on the ACT and/or Praxis I Core Academic Skills for Educators exams
 - o ACT Comp. 22 -OR-
 - o Reading (ACT: 20 -or- Praxis I: 156) and
 - o Eng./Writing (ACT: 18 -or- Praxis I: 162) and
 - o Mathematics (ACT: 19 -or- Praxis I: 150)
 ACT scores must be less than 5 years old at time of admissions semester
- Pass criminal background check
- 60 semester hours completed
- An acceptable portfolio
- A completed application to the Teacher Education program

Degree Requirements for NKU

To earn a bachelor's degree at NKU, students must complete a minimum of 120 credit hours with at least 45 credit hours numbered 300 and above. In addition, at least 25% of the credit hours required for the degree and the last 30 credit hours must be completed at NKU. Students majoring in Education must maintain a GPA of 2.75 overall and in major courses and earn a minimum grade of C in all education courses. Students must meet the pre-requisites for each course. Students wishing to be certified to teach Chemistry at the secondary level must complete the requirements for the B.A. in Secondary Education along with the requirements for a B.A. in Chemistry. No minor is required for this major.

General Transfer Information

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

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 \$2,500 annual scholarships (\$1,250 per fall and spring). 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.

KCTCS AS TO NKU BA IN CHEMISTRY WITH SECONDARY EDUCATION CHECKLIST

Kentucky Community and Technical College System

Category 1: KCTCS General Education Requirements

KCTCS Course	Course or Category	Credits	NKU Course	Completed
ENG 101	Writing I (WC)	3	ENG 101	
ENG 102	Writing II (WC)	3	ENG 102	
COM 181	Basic Public Speaking (OC)	3	CMST 101	
TBS XXX	Arts and Humanities (AH) Heritage	3	TBD XXX	
TBS XXX	Arts and Humanities (AH) Humanities	3	TBD XXX	
PSY 110	General Psychology (SB)	3	PSY 100	
TBS XXX	Social & Behavioral Sciences Course (SB) (other than PSY)	3	TBD XXX	
CHE 170/175	General College Chemistry I and General College Chemistry Laboratory I (SL)	5	CHE 120/120L	
CHE 180/185	General College Chemistry II and General College Chemistry Laboratory II (SL)	5	CHE 121/121L	
MAT 175	Calculus I (QR)	5	MAT 129	
MAT 185	Calculus II (QR)	5	MAT 227	
	Subtotal General Education Courses	41		

TBS XXX means to be selected by KCTCS 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.

Category 2: KCTCS AS Requirements

KCTCS Course	Course or Category	Credits	NKU Course	Completed
PHY 201/202	College Physics I and College Physics I Laboratory	5	PHY 211	
PHY 203/204	College Physics II and College Physics II Laboratory	5	PHY 213	
	Subtotal AS Requirement Courses	10		

Category 3: KCTCS Electives

KCTCS Course	Course or Category	Credits	NKU Course	Completed
	First-Year Experience	0-3		
EDU 201	Introduction to American Education	3	EDU 305 + EDU 300T	
EDU 204	Technology in the Classroom	3	EDU 313	

KCTCS Course	Course or Category	Credits	NKU Course	Completed
EDP 202	Human Development and Learning	3	EDU 300	
EDP 203	Teaching Exceptional Learners in Regular Classrooms	3	EDS 360	
	Subtotal Elective Courses	12-15		
	Total Associate Degree Hours	63-66		

Northern Kentucky University

Category 4: NKU Major Requirements for the BA in Chemistry with Secondary Education

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
EDU 104	Orientation: Education Profession/Program	1		
EDU 300	Human Growth and Development	3	EDP 202	x
EDU 304 or EDU 354	Reading and Writing Across the Curriculum: Middle Grades or Read/Write Across Curriculum-Secondary	3		
EDU 305	Introduction to Education	2	EDU 201	x
EDU 311	Admission Field Experience Secondary	2		
EDU 313	Instructional Technology	3	EDU 204	x
EDU 316	Education in a Multicultural Society	3		
EDU 319	Classroom Climate Management Secondary	1		
EDU 324	Fundamentals of Secondary Education	1		
EDU 325	Educational Assessment Secondary	2		
EDU 330	Teaching Science in Secondary School	3		
EDU 393	Secondary Field Experience I	2		
EDU 396	Secondary Field Experience II	2		
EDU 496	Clinical Experience Secondary	12		
EDS 324	Instructional Planning for Inclusive Secondary Classrooms	3		
EDS 360	Students with Exceptionalities in School	3	EDP 203	x
PSY 100	Introduction to Psychology	3	PSY 110	x
CMST 101	Public Speaking	3	COM 181	x
CHE 120/120L	General Chemistry I and Laboratory	4	CHE 170/175	x
CHE 121/121L	General Chemistry II and Laboratory	4	CHE 180/185	x
CHE 125	Introduction to Chemistry & Biochemistry	1		
CHE 310/310L	Organic Chemistry I and Laboratory	4	CHE 270/275	
CHE 311/311L	Organic Chemistry II and Laboratory	4	CHE 280/285	

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
------------	--------	---------	--------------	----------------

CHE 340/340L	Analytical Chemistry and Laboratory	5		
CHE 360	Physical Chemistry I	3		
CHE 361	Physical Chemistry II	3		
CHE 362L	Physical Chemistry Laboratory	2		
CHE 391W	Chemical Information and Writing	3		
CHE 400	Chemistry Seminar	1		
CHE XXX	CHE elective at 300 or above level	3		
MAT 129/229 or MAT 128/227/228	Calculus I and Calculus II or Calculus A & Calculus B & Calculus C	9	MAT 175 MAT 185	x Need MAT 228
PHY 211/213 or PHY 220/222	General Physics with Laboratory I and II or University Physics with Laboratory I and II	8-10	PHY 201/202 and PHY 203/204	x
	Subtotal Major Credit Hours at NKU	67		
	Subtotal Major Credit Hours at KCTCS	42		
	Total Major Credit Hours	109		
	Total Baccalaureate Degree Credit Hours	130		

Students pursuing a secondary education degree may also choose to concurrently complete a third major in special education. Students who enroll in the special education major are not required to take EDS 360 Students with Exceptionalities in School and can replace EDP 203 with another course at the KCTCS institution.

Updated July 2025