



TWO DEGREES, ONE PATH

TRANSFER PATHWAY GUIDE 2025-2026

Associate in Science to Bachelor of Science in Mathematics with Secondary Education

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 Mathematics with Secondary Education 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 CTC, enrolled in an associate degree program, plan to transfer to NKU, and maintain a minimum 2.0 cumulative GPA at Gateway CTC.

Degree Requirements for GCTC

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
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 the Teacher Education Program. Courses in parentheses are GCTC course equivalencies.

- 45 earned credit hours
 - EDU 104 with a grade of C or higher
 - PSY 100 (PSY 110)
 - CMST 101 (COM 181) with a grade of B or higher
 - ENG 102 (ENG 102) with a grade of B or higher
 - EDU 300 (EDP 202) with a grade of C or higher

- EDU 305 (EDU 201) with a grade of C or higher
- EDU 316 with a grade of C or higher
- 2.75 or higher overall GPA (all transfer & NKU coursework combined) - OR - 3.00 or higher GPA in your last 30 attempted credit hours
- 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*
 - ACT Comp. 22 -OR-
 - Reading (ACT: 20 -or- Praxis I: 150) and
 - Eng./Writing (ACT: 18 -or- Praxis I: 158) and
 - Mathematics (ACT: 19 -or- Praxis I: 144)
- Successful completion of a recent FBI criminal background check
- Completed Teacher Education Admission Application

*Minimum Praxis score is five (5) points lower for each subject exam if your overall GPA is 3.00 or higher.

*Passing ACT scores must be less than ten (10) years old at the date of admission to the teacher education program. Your date of admission occurs at the end of a successful admission semester, not at the beginning.

For the fall Admission Semester, the deadline to meet the above requirements must have them on file with the COE is August 1

For the spring Admission Semester, the deadline to meet the above requirements must have them on file with the COE is December 1

Registration for EDS 360, EDU 313 and Admission Field Experience (EDU 303, 307, 309, 311 or 334) may only be completed after all above requirements are met. Seats in the admission courses are limited. Therefore, to ensure the best course selection get your requirements completed early! Work with your COE advisor to ensure proper enrollment.

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 credit hours required 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 major coursework
6. Meet all requirements for the major
7. Completion of a minor, focus, or second major (if required by 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 viewed on the [NKU Adult & Transfer Center website](#).

GCTC AS TO NKU BS IN MATHEMATICS WITH SECONDARY EDUCATION 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	
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)	3	TBD XXX	
INF 120U	Elementary Programming	3	INF 120	
TBS XXX	Natural Sciences (NS)	3	TBD XXX	
TBS XXX	Natural Sciences with Lab (SL)	4	TBD XXX	
MAT 175	Calculus I (QR)	5	MAT 129	
MAT 185	Calculus II (QR)	5	MAT 229	
	Subtotal General Education Core Courses	38		

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.

Category 2: GCTC AS Requirements

GCTC Course	Course or Category	Credits	NKU Course	Completed
Taken at NKU	Probability and Statistics I	3	STA 250	
	Subtotal AS Requirement Courses	3		

Category 3: GCTC Electives

GCTC Course	Course or Category	Credits	NKU Course	Completed
FYE 105 or FYE 110	Achieving Academic Success or First Year Experience and Applications	3	UNV 100T	
EDU 201	Introduction to American Education	3	EDU 305	
EDU 204	Technology in the Classroom	3	EDU 313	
EDP 202	Human Development and Learning	3	EDU 300	
EDP 203	Teaching Exceptional Learners in Regular Classrooms	3	EDS 360	
CIT 149**	Java I	3	CSC 260	
Taken at NKU	Orientation: Education Profession/Program	1	EDU 104	

GCTC Course	Course or Category	Credits	NKU Course	Completed
	Subtotal Elective Courses	19		
	Total Associate Degree Hours	60		

**CIT 120 pre-requisite will be waived for students who have completed INF 120U.

Northern Kentucky University

Category 4: NKU Major Requirements for BS in Mathematics with Secondary Education

NKU Course	Course	Credits	GCTC Course	Taken at GCTC
EDU 104	Orientation: Education Profession/Program	1	Taken at NKU	
EDU 300	Human Growth and Development	3	EDP 202	x
EDU 304 or EDU 330	Reading and Writing Across the Curriculum: Middle Grades or Reading in Middle and Secondary Schools	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 319	Classroom Climate Management Secondary	1		
EDU 324	Fundamentals of Secondary Education	1		
EDU 325	Educational Assessment Secondary	2		
	Select the methods courses for chosen teaching field (3-6 credits)	3-6		
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
ENG 102	Advanced College Writing	3	ENG 102	x
MAT 129	Calculus I	4	MAT 175	x
MAT 229	Calculus II	5	MAT 185	x
MAT 329	Calculus III	4	MAT 275	x
MAT 234	Linear Algebra	3		
MAT 302	Introduction to Higher Mathematics	3		
MAT 489	Comprehensive Examination	0		
STA 250	Probability and Statistics I	3	Taken at NKU	x
CSC 270 or CSC 260	Mathematics Software Programming or Object-Oriented Programming	3	CIT 238	
MAT 345	Introduction to Higher Geometry	3		
STA 341	Statistics II	3		
Select 2: MAT 310	Select two courses from the following: Elementary Theory of Numbers	6	MAT 261	

NKU Course	Course	Credits	GCTC Course	Taken at GCTC
MAT 410 MAT 415	Group Theory Rings and Fields			
Select 1: MAT 360 MAT 420 MAT 430	Select one course from the following: Numerical Analysis Real Variables I Complex Variables	3		
MAT XXX	Select three additional hours of MAT or STA electives at the 300 level or above	3		
	Subtotal Major Credit Hours at NKU	59		
	Subtotal Credit Hours at GCTC	60		
	Total Major Credit Hours	98		
	Total Baccalaureate Degree Credit Hours	122		

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 Gateway.

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