



TWO DEGREES, ONE PATH

TRANSFER PATHWAY GUIDE 2025-2026

Associate of Arts To
Bachelor of Science in Mathematics with Secondary Education

Overview

Completion of the following curriculum will satisfy the requirements for the Associate of Arts (AA) degree at Cincinnati State (CState) and leads to the Bachelor of Science (BS) in Mathematics with Secondary Education degree at Northern Kentucky University (NKU).

Applying to the CState2NKU 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 Cincinnati State, enrolled in an associate degree program, plan to transfer to NKU, and maintain a minimum 2.0 cumulative GPA at Cincinnati State.

Degree Requirements for Cincinnati State

1) Completion of minimum 62 credit hours, 36 of which from approved Ohio Transfer 36 courses, 2) minimum cumulative GPA 2.0, 3) completion of an FYE course as part of the first 12 credit hours taken at Cincinnati State, and 4) completion of Cooperative Education.

Admission Requirements for 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 CState course equivalencies.

- A minimum overall GPA of 2.75
- A minimum grade of "B" in CMST 101 (COMM 110) and ENG 102 (ENG 102, ENG 103 or ENG 104)
- A minimum grade of "C" in all other pre-admission courses and required EDU and EDS courses which include EDU 300 (EDU 210), EDU 305 (EDU 105), EDU 313 (EDU 110), and

EDS 360 (EDU 200).

- 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: 156) and
 - Eng./Writing (ACT: 18 -or- Praxis I: 162) and
 - 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 secondary 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 mathematics at the secondary level must complete the requirements for the B.A. in Secondary Education along with the requirements for a B.S. in Mathematics. No minor is required for this major.

Advising Note

Students in the CState2NKU program should work closely with their advisors when choosing courses. This document serves as a guide but does not replace academic advising. When choosing Cincinnati State courses, student may also consult the Associate of Arts advising brochure or the catalog for A and B list courses in Arts and Humanities or Social and Behavioral Sciences.

**CINCINNATI STATE AA TO NKU BS IN MATHEMATICS WITH SECONDARY EDUCATION
CHECKLIST**

Cincinnati State

Category 1: Ohio Transfer 36 Requirements

CState Course	Course or Category	Credits	NKU Course	Completed
ENG 101	English Composition 1	3	ENG 101	
ENG 102 ENG 103 ENG 104	English Composition 2: Contemporary Issues English Composition 2: Writing and Literature English Composition 2: Technical Communication	3	ENG 102	
COMM 110	Public Speaking	3	CMST 101	
TBS XXX	Arts/Humanities List A Elective	3	TBD XXX	
TBS XXX	Arts/Humanities List B Elective	3	TBD XXX	
TBS XXX	Social/Behavioral Science List A Elective	3	TBD XXX	
PSY 110	Introduction to Psychology	3	PSY 100	
MAT 251	Calculus I	5	MAT 129 + MAT 100T	
MAT 252	Calculus II	5	MAT 229	
MAT 253	Calculus III	5	MAT 329 + MAT 300T	
TBS XXX	Natural/Physical Science Elective 1	3	TBD XXX	
TBS XXX	Natural/Physical Science Elective 2	3	TBD XXX	
Subtotal General Education Core		42		

TBS XXX means to be selected by Cincinnati student.

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

Category 2: CState Degree Requirements for the AA and NKU Recommendations

CState Course	Course or Category	Credits	NKU Course	Completed
FYE 1XX	First Year Experience Elective	1	UNV 100T	
HUM 190	Career Exploration Seminar: Associate of Arts and Sciences	2	CEP 101	
HUM 191 or HUM 192 or HUM 291 or HUM 292 or HUM 296	Part-Time Cooperative Education 1 or Part-Time Cooperative Education 2 or Full-Time Cooperative Education 1 or Full-Time Cooperative Education 2 or Full-Time Career Education Project	2	CEP 300	
EDU 105	Introduction to Education	3	EDU 305	
EDU 110	Educational Technology	3	EDU 313	
EDU 200	Individuals with Exceptionalities	3	EDS 360	
EDU 210	Learning in Childhood	3	EDU 300	
TBS XXX	Directed Elective	3	TBD XXX	
Total Associate Degree Credit Hours		62		

Northern Kentucky University

Category 3: NKU Major Requirements for BS in Mathematics with Secondary Education

NKU Course	Course	Credits	CState Course	Taken at CState
EDU 104	Orientation: Education Profession/Program	1		
EDU 300	Human Growth and Development	3	EDU 210	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 105	x
EDU 311	Admission Field Experience Secondary	2		
EDU 313	Instructional Technology	3	EDU 110	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 333	Teaching Math 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	EDU 200	x
PSY 100	Introduction to Psychology	3	PSY 110	x
CMST 101	Public Speaking	3	COMM 110	x
ENG 102	Advanced College Writing	3	ENG 102 ENG 103 ENG 104	x
MAT 129	Calculus I	4	MAT 251	x
MAT 229	Calculus II	5	MAT 252	x
MAT 329	Calculus III	4	MAT 253	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		
CSC 270 or CSC 260	Mathematics Software Programming or Object-Oriented Programming	3		
MAT 345	Introduction to Higher Geometry	3		
STA 341	Statistics II	3		
Select 2: MAT 310 MAT 410 MAT 415	Select two courses from the following: Elementary Theory of Numbers Group Theory Rings and Fields	6		

NKU Course	Course	Credits	CState Course	Taken at CState
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	65		
	Subtotal Major Credit Hours at CState	33		
	Total Major Credit Hours	98		
	Total Baccalaureate Degree Credit Hours	127		

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 Schools* and can replace EDU 200 with a directed elective course at Cincinnati State.

Updated July 2025