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## TWO DEGREES, ONE PATH

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### TRANSFER PATHWAY GUIDE 2022-2023

#### 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
    - 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 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**

| <b>CState Course</b>          | <b>Course or Category</b>   | <b>Credits</b> | <b>NKU Course</b>     | <b>Completed</b> |
|-------------------------------|---|----------------|-----------------------|------------------|
| ENG 101                       | English Composition 1   | 3              | ENG 101               |                  |
| ENG 102<br>ENG 103<br>ENG 104 | English Composition 2: Contemporary Issues<br>English Composition 2: Writing and Literature<br>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 +<br>MAT 100T |                  |
| MAT 252                       | Calculus II   | 5              | MAT 229               |                  |
| MAT 253                       | Calculus III  | 5              | MAT 329 +<br>MAT 300T |                  |
| TBS XXX                       | Natural/Physical Science Elective 1   | 3              | TBD XXX               |                  |
| TBS XXX                       | Natural/Physical Science Elective 2   | 3              | TBD XXX               |                  |
|                               | <b>Subtotal General Education Core</b>  | <b>42</b>      |                       |                  |

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**

| <b>CState Course</b>  | <b>Course or Category</b>  | <b>Credits</b> | <b>NKU Course</b> | <b>Completed</b> |
|---|--|----------------|-------------------|------------------|
| 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<br>HUM 192 or<br>HUM 291 or<br>HUM 292 or<br>HUM 296 | Part-Time Cooperative Education 1 or<br>Part-Time Cooperative Education 2 or<br>Full-Time Cooperative Education 1 or<br>Full-Time Cooperative Education 2 or<br>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           |                  |
|   | <b>Total Associate Degree Credit Hours</b>   | <b>62</b>      |                   |                  |

## 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<br>or<br>EDU 354                   | Reading and Writing Across the Curriculum:<br>Middle Grades or<br>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<br>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<br>ENG 103<br>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<br>CSC 260                      | Mathematics Software Programming or<br>Object-Oriented Programming   | 3       |                               |                 |
| MAT 345                                    | Introduction to Higher Geometry  | 3       |                               |                 |
| STA 341                                    | Statistics II  | 3       |                               |                 |
| Select 2:<br>MAT 310<br>MAT 410<br>MAT 415 | Select two courses from the following:<br>Elementary Theory of Numbers<br>Group Theory<br>Rings and Fields | 6       |                               |                 |

| NKU Course                                 | Course   | Credits    | CState Course | Taken at CState |
|--|--|------------|---------------|-----------------|
| Select 1:<br>MAT 360<br>MAT 420<br>MAT 430 | Select one course from the following:<br>Numerical Analysis<br>Real Variables I<br>Complex Variables | 3          |               |                 |
| MAT XXX                                    | Select three additional hours of MAT or STA<br>electives at the 300 level or above                   | 3          |               |                 |
|  | <b>Subtotal Major Credit Hours at NKU</b>  | <b>65</b>  |               |                 |
|  | <b>Subtotal Major Credit Hours at CState</b>   | <b>33</b>  |               |                 |
|  | <b>Total Major Credit Hours</b>  | <b>98</b>  |               |                 |
|  | <b>Total Baccalaureate Degree Credit Hours</b>   | <b>127</b> |               |                 |

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