# transfer pathway guide

# 2019-2020

Associate of Arts in Pre-Secondary Education – Mathematics

at UC Clermont College to

Bachelor of Science in Mathematics with Secondary Education

at Northern Kentucky University

## Overview

Completion of the following curriculum will satisfy the requirements for the **Associate of Arts in Pre-Secondary Education – Mathematics** degree at UC Clermont College and leads to the **Bachelor of Science in Mathematics with Secondary Education** degree at Northern Kentucky University.

## Degree Requirements for UC Clermont

To earn a degree at UC Clermont, a student must complete a minimum of 60 credit hours, attain a minimum cumulative GPA of 2.0, and earn a minimum of 15 credit hours at the institution awarding the degree.

## Admission Requirements for NKU

Students completing an associate degree with a cumulative GPA of 2.0 or higher will be accepted into NKU. The admission requirements for a Bachelor of Arts degree in Secondary Education are below. (Courses in parentheses are UC Clermont course equivalents)

* A minimum overall GPA of 2.75
* A minimum grade of “B” in CMST 101 (COMM 1071) and ENG 102 (ENGL 2089)
* A minimum grade of “C” in all other pre-admission courses and required EDU and EDS courses which include EDU 300 (PSYC 2005 and PSYC 2007), EDU 305 (EDST 1001), EDU 313 (CI 1001), and EDS 360 (SPED 1001).
* Praxis Core Academic Skills for Educators: Reading (5712) – 156 or higher, Writing (5722) – 162 or higher and Mathematics (5732) – 150 or higher
* Pass criminal background check
* 60 semester hours completed
* An acceptable portfolio

## 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 in major courses in order to enroll in the clinical experience.

### UC CLERMONT COLLEGE AA IN PRE-SECONDARY EDUCATION – MATHEMATICS TO ­­­­­­­­­­­­­­­NKU BS IN MATHEMATICS WITH SECONDARY EDUCATION CHECKLIST

### UC Clermont College

#### Category 1: Requirements for the AA in Pre-Secondary Education – Mathematics

| **UC Clermont Course** | **Course or Category** | **Credits** | **NKU Course** | **Completed** |
| --- | --- | --- | --- | --- |
| CI1001 | Educational Technology | 3 | EDU 313 |  |
| CI3003 | Teaching and Learning in Diverse Classrooms | 3 | EDU 316 |  |
| COMM1071 | Introduction to Effective Speaking | 3 | CMST 101 |  |
| EDST1001 | Introduction to Education | 3 | EDU 305 |  |
| EDST2003 | Pre-Adolescent through Adolescent Development | 3 | EDU 300 |  |
| ENGL1001 | English Composition | 3 | ENG 101 |  |
| ENGL2089 | Intermediate Composition | 3 | ENG 102 |  |
| PSYC1001 | Introduction to Psychology | 3 | PSY 100 |  |
| SPED1001 | Individuals with Exceptionalities | 3 | EDS 360 |  |
| EDST2081 | Cooperative Learning and Differentiation | 3 | Waive  EDS 324 |  |
| EDST2099 | Critical Pedagogy in Education | 3 | Waive  EDU 311 and EDU 104 |  |
| EDST1002 | Educational Psychology | 3 | PSY 300T |  |
| EDST2010 | Classroom Management and Learning | 3 | Waive  EDS 319 |  |
| Natural Science Elective | Students may select a Natural Science elective course. | 3 |  |  |
| MATH1061 | Calculus I | 4 | MAT 129 |  |
| MATH1062 | Calculus II | 4 | MAT 229 |  |
| MATH2076 | Linear Algebra | 3 | MAT 234 |  |
| MATH2063 | Multivariable Calculus | 4 | MAT 329 |  |
| MATH2073 | Differential Equations | 3 | MAT 325 |  |
|  | **Total Associate Degree Hours** | **60** |  |  |

### Northern Kentucky University

Students must complete the following courses for a B.A. in Secondary Education. In addition, students must complete the content courses for a B.S. in Mathematics.

#### Category 2: Requirements for the BA in Secondary Education

| **NKU Course** | **Course** | **Credits** | **UC Clermont Course** | **Taken at UC Clermont** |
| --- | --- | --- | --- | --- |
| EDU 104 | Orientation: Education Profession/Program | 1 | Waived | x |
| EDU 300 | Human Growth and Development | 3 | EDST 2003 | x |
| EDU 304 or  EDU 530 | Reading and Writing Across the Curriculum: Middle Grades or  Reading in Junior and Senior High School | 3 |  |  |
| EDU 305 | Introduction to Education | 2 | EDST 1001 | x |
| EDU 311 | Admission Field Experience Secondary | 2 | EDST 2099 | x |
| EDU 313 | Instructional Technology | 2 | CI 1001 | x |
| EDU 316 | Racism and Sexism in Educational Institutions | 3 | CI 3003 | x |
| EDU 319 | Classroom Climate Management Secondary | 1 | EDST 2010  (Substitution) | x |
| EDU 324 | Fundamentals of Secondary Education | 2 |  |  |
| EDU 325 | Educational Assessment Secondary | 2 |  |  |
| EDU 333 | Teaching Math in Secondary School | 3 |  |  |
| EDU 334 | Portfolio Development | 1 |  |  |
| 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 | EDST 2081  (Substitution) | x |
| EDS 360 | Students with Exceptionalities in Schools | 3 | SPED 1001 | x |
| PSY 100 | Introduction to Psychology | 3 | PSYC 1001 | x |
| CMST 101 | Public Speaking | 3 | COMM 1071 | x |
| ENG 102 | Advanced College Writing | 3 | ENGL 2089 | x |
|  | **Subtotal NKU Education Courses Credit Hours** | **27** |  |  |

EDU 104 and EDU 311 are waived if student completes EDST 2099 and provides documentation of 50 hours of field experience in an education setting. If EDU 104 and EDU 311 are waived, student must complete EDU 334: Portfolio Development (1 credit).

#### Category 3: Requirements for the BS in Mathematics

| **NKU Course** | **Course** | **Credits** | **UC Clermont Course** | **Taken at UC Clermont** |
| --- | --- | --- | --- | --- |
| MAT 129 | Calculus I | 4 | MATH 1061 | x |
| MAT 229 | Calculus II | 5 | MATH 1062 | x |
| MAT 329 | Calculus III | 4 | MATH 2063 | x |
| MAT 194 | Mathematical Sciences Seminar | 1 |  |  |
| MAT 234 | Linear Algebra | 3 | MATH 2076 | x |
| MAT 302 | Introduction to Higher Mathematics | 3 | MATH 3001 |  |
| MAT 345 | Introduction to Higher Geometry | 3 |  |  |
| MAT 489 | Comprehensive Examination | 0 |  |  |
| CSC 270 or  CSC 260 | Mathematics Software Programming or  Object-Oriented Programming | 3 |  |  |
| STA 250 | Probability and Statistics | 3 | STAT 2037 |  |
| 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 |  |  |
| 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 | MATH 2073  (equates to MAT 325) | x |
|  | **Teaching Discipline Major Credit Hours** | **25** |  |  |
|  | **Electives** | **8** |  |  |
|  | **Total Baccalaureate Degree Credit Hours** | **120** |  |  |

Updated May 2019 for Fall 2019 Start