

# TRANSFER PATHWAY GUIDE

# 2019-2020

Associate in Science to Bachelor of Arts in Middle Grade Education –

Mathematics and Science Tracks

## Overview

Completion of the following curriculum will satisfy the requirements for the Associate in Science degree at Gateway Community and Technical College and leads to the Bachelor of Arts in Middle Grades Education – Mathematics and Science Tracks degree at Northern Kentucky University.

## 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) cultural studies course, 5) demonstration of digital literacy, 6) 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 GCTC 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).
* 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
* 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 must have an overall GPA of 2.0 and meet all prerequisites for courses and requirements for the major. In some cases, students must complete a focus or minor as indicated on the pathway.

## 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 $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.

### GCTC AS TO NKU BA IN MIDDLE GRADES EDUCATION

### (MATHEMATICS & SCIENCE TRACKS) CHECKLIST

### Gateway Community and Technical College

#### Category 1: GCTC General Education Core Requirements (37 hours)

| **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 & Humanities (AH) Humanities | 3 | TBD XXX |  |
| TBS XXX | Arts & Humanities (AH) Heritage | 3 | TBD XXX |  |
| MAT 165 or MAT 171 or  MAT 175 | Finite Mathematics (QR)  Precalculus (QR)  Calculus I (QR) | 5 | MAT 114 or  MAT 103 + MAT 119 or  MAT 129 |  |
| MAT 170 | Applied Calculus (QR) | 3 | MAT 112 |  |
| PSY 110 | General Psychology (SB) | 3 | PSY 100 |  |
| TBS XXX | Social & Behavioral Sciences (SB) – not PSY | 3 | TBD XXX |  |
| BIO 112/113 | Introduction to Biology and Introduction to Biology Laboratory | 4 | BIO 120/120L |  |
| PHY 151/161 | Introductory Physics I and Introductory Physics I Laboratory | 4 | PHY 110 |  |
|  | **Subtotal General Education Core Courses** | **37** |  |  |

TBS XXX means to be selected by GCTC student.

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

One of these courses must be selected from the KCTCS identified Cultural Studies course list, indicate by placing (CS) next to the course name in Category 1 or 2 table.

#### Category 2: GCTCS AS Requirements (7 hours)

| **GCTC Course** | **Course or Category** | **Credits** | **NKU Course** | **Completed** |
| --- | --- | --- | --- | --- |
| MAT 206 | Mathematics for Elementary and Middle School Teachers II | 3 | MAT 141 |  |
| AST 191/195 | The Solar System and Introductory Astronomy Laboratory | 4 | AST 110 |  |
|  | **Subtotal AS Requirement Courses** | **7** |  |  |

#### Category 3: GCTCS Electives (23 hours)

| **GCTC Course** | **Course or Category** | **Credits** | **NKU Course** | **Completed** |
| --- | --- | --- | --- | --- |
| FYE 105 | Achieving Academic Success | 3 | UNV 100T |  |
| GLY 101/111 | Physical Geology and Physical Geology Laboratory | 4 | GLY 110 |  |
| Choose one: BIO 114/115  BIO116/117  BIO 137  BIO 120  BIO 135  PHY 201/202  GLY 110/114 | Choose one science class:  Biology I and Biology I Laboratory  Biology II and Biology II Laboratory  Human Anatomy and Physiology I  Human Ecology  Basic Anatomy and Physiology  College Physics I and Laboratory  Environmental Geology and Laboratory | 4-5 | BIO 150/150L  BIO 151/151L  BIO 208/208L  BIO 123  BIO 121/121L  PHY 211  GLY 120/120L |  |
| EDP 202 | Human Development and Learning | 3 | EDU 300 |  |
| EDP 203 | Teaching Exceptional Learners in Regular Classroom | 3 | EDS 360 |  |
| EDU 201 | Introduction to American Education | 3 | EDU 305 |  |
| EDU 204 | Technology in the Classroom | 3 | EDU 313 |  |
|  | **Subtotal Elective Courses** | **23-24** |  |  |
|  | **TOTAL Associate Degree Hours** | **67-68** |  |  |

### Northern Kentucky University

#### Category 4: Major Requirements for BA in Middle Grades Education (Mathematics and Science Tracks)

| **NKU Course** | **Course** | **Credits** | **GCTC Course** | **Taken at GCTC** |
| --- | --- | --- | --- | --- |
| EDU 104 | Orientation: Education Profession/Program | 1 |  |  |
| EDU 300 | Human Growth and Development | 3 | EDP 202 | x |
| EDU 304 | Reading and Writing Across the Curriculum: Middle Grades | 3 |  |  |
| EDU 305 | Introduction to Education | 2 | EDU 201 | x |
| EDU 309 | Admission Field Experience Middle Grades | 2 |  |  |
| EDU 313 | Instructional Technology | 2 | EDU 204 | x |
| EDU 316 | Racism and Sexism in Educational Institutions | 3 |  |  |
| EDU 318 | Classroom Climate Management: Middle School | 2 |  |  |
| EDU 343 | Educational Assessment Middle Schools | 2 |  |  |
| EDU 344 | Fundamentals of Middle Grades Education | 2 |  |  |
| EDU 391 | Middle Grades Field Experience I | 2 |  |  |
| EDU 394 | Middle Grades Field Experience II | 2 |  |  |
| EDU 495 | Clinical Experience Middle Grades | 12 |  |  |
| EDS 323 | Instructional Planning for Inclusive Middle Level Classrooms | 3 |  |  |
| EDS 360 | Students with Exceptionalities in Schools | 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 |
| EDU 346  EDU 347 | Methods courses:  Teaching Science in Middle Grades  Teaching Math in Middle Grades | 6 |  |  |
|  | **Mathematics Track** |  |  |  |
| MAT 110 | Introduction to Probability | 3 |  |  |
| MAT 112 | Applied Calculus | 3 | MAT 170 | x |
| MAT 116 | Arithmetic Structures for Middle Grade Teachers | 3 |  |  |
| MAT 117 | Algebra for Middle Grades Teachers | 3 |  |  |
| MAT 141 | Geometry I for K-8 Teachers | 3 | MAT 206 | x |
| MAT 240 | Geometry II for K-8 Teachers | 3 |  |  |
| STA 204 | Statistics for Middle Grades Teachers | 3 |  |  |
| Select 1:  MAT 114  MAT 119  MAT 128  MAT 129  MAT 185  MAT 227 | Select one course from the following:  Finite Mathematics  Pre-Calculus Mathematics  Calculus A  Calculus I  Introductory Discrete Mathematics  Calculus B | 3-4 | MAT 165 or  MAT 171 or  MAT 175 | x |
|  | **Science Track** |  |  |  |
| BIO 120/201L | Understanding the Living World | 4 | BIO 112/113 | x |
| CHE 112 and  CHE 105L | Chemistry and Society  Discovering Chemistry Laboratory | 4 |  |  |
| PHY 110 | Introduction to Physics with Laboratory | 4 | PHY 151 +  PHY 161 or  PHY 171 | x |
| AST 110 | Solar System Astronomy with Laboratory | 4 | AST 191 +  AST 195 | x |
| GLY 110 | The Face of the Earth with Laboratory | 4 | GLY 101/111 | x |
| Select 1:  BIO 150/150L  BIO 151/151L  BIO 208/208L  BIO 123  BIO 121/121L  SCI 110  PHY 211  PHY 213  GLY 120/120L  GLY 115  AST 115 | Select one course from the following:  Introduction to Biology I and lab  Introduction to Biology II and lab  Human Anatomy and Physiology I  Human Ecology  Diseases and the Systems They Affect  Integrative Science  General Physics with Laboratory I  General Physics with Laboratory II  This Dangerous Earth  History of the Earth  Stars, Galaxies, and Cosmology with  Laboratory | 3-5 | BIO 114/115  BIO116/117  BIO 137  BIO 120  BIO 135  PHY 201/202  GLY 110/114 | x |
|  | **Subtotal Major Credit Hours at NKU** | **59** |  |  |
|  | **Subtotal Major Credit Hours at GCTC** | **48** |  |  |
|  | **Total Major Credit Hours** | **107** |  |  |
|  | **Total Baccalaureate Degree Credit Hours** | **126-127** |  |  |

EDU 309 is waived if student provides documentation of 50 hours of field experience in an education setting. If EDU 309 is waived, student must complete EDU 334: Portfolio Development (1 credit).

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