

# TRANSFER PATHWAY GUIDE

# 2019-2020

Associate in Science to Bachelor of Science in Construction Management

## 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 Science in Construction Management 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.

## 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. Students must earn a grade of C or better in all construction management core courses.

## 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 BS IN CONSTRUCTION MANAGEMENT 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 |  |
| TBS XXX | Oral Communication (OC) | 3 | TBD XXX |  |
| TBS XXX | Arts & Humanities (AH) – Heritage | 3 | TBD XXX |  |
| TBS XXX | Arts & Humanities (AH) – Humanities | 3 | TBD XXX |  |
| ECO 201 or  ECO 202 | Principles of Microeconomics (SB) or  Principles of Macroeconomics (SB) | 3 | ECO 201  ECO 200 |  |
| TBS XXX | Social & Behavioral Science (SB) – not ECO | 3 | TBD XXX |  |
| PHY 201/202 | College Physics I (SL) | 5 | PHY 211 |  |
| TBS XXX | Natural Science (NS) | 3 | TBD XXX |  |
| MAT 151 or MAT 161 | Introduction to Applied Statistics or Statistics and Algebra | 3 | STA 100G or MAT 101 + MAT 102 |  |
| MAT 171 | Precalculus (QR) | 5 | MAT 103 + MAT 119 |  |
|  | **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 (3 hours)

| **GCTC Course** | **Course or Category** | **Credits** | **NKU Course** | **Completed** |
| --- | --- | --- | --- | --- |
| STA 251 | Applied Statistics | 3 | STA 205  (with MAT 151 or MAT 161 at GCTC) |  |
|  | **Subtotal AS Requirement Courses** | **3** |  |  |

#### Category 3: GCTCS Electives (22 hours)

| **GCTC Course** | **Course or Category** | **Credits** | **NKU Course** | **Completed** |
| --- | --- | --- | --- | --- |
| CIT 105 | Introduction to Computers | 3 | BIS 101 |  |
| FYE 105 | Achieving Academic Success | 3 | UNV 100T |  |
| CAD 201 | Parametric Modeling | 4 | CMGT 222 |  |
| Gateway2NKU | Introduction to Construction Management | 3 | CMGT 101 |  |
| Gateway2NKU | Construction Materials and Methods I | 3 | CMGT 120 |  |
| Gateway2NKU | Construction Materials and Methods II | 3 | CMGT 121 |  |
| Gateway2NKU | Construction Safety | 3 | CMGT 225 |  |
|  | **Subtotal Elective Courses** | **22** |  |  |
|  | **TOTAL Associate Degree Hours** | **62** |  |  |

CMGT 101/120/121 are corequisites and must be taken in the same semester. CMGT 225 can be completed after CMGT 101.

### Northern Kentucky University

#### Category 4: Major Requirements for the BS in Construction Management

| **NKU Course** | **Course** | **Credits** | **GCTC Course** | **Taken at GCTC** |
| --- | --- | --- | --- | --- |
| CMGT 101 | Introduction to Construction Management | 3 | Gateway2NKU | x |
| CMGT 120 | Construction Materials and Methods I | 3 | Gateway2NKU | x |
| CMGT 121 | Construction Materials and Methods II | 3 | Gateway2NKU | x |
| CMGT 220 | Construction Layout | 3 |  |  |
| CMGT 222 | Architectural Drafting and CAD | 3 | CAD 201 | x |
| CMGT 225 | Construction Safety | 3 | Gateway2NKU | x |
| CMGT 228 | Soil and Foundation Interaction | 3 |  |  |
| CMGT 300 | Cooperative Education (2 sessions) | 0 |  |  |
| CMGT 303 | Construction Contracts, Documents, and Administration | 3 |  |  |
| CMGT 305 | Mechanical Systems for Construction | 3 |  |  |
| CMGT 306 | Electrical Systems for Construction | 3 |  |  |
| CMGT 320 | Construction Estimating | 3 |  |  |
| CMGT 322 | Structural Analysis | 3 |  |  |
| CMGT 324 | Construction Scheduling | 3 |  |  |
| CMGT 329 | Construction Equipment | 3 |  |  |
| CMGT 415 | Construction Management | 3 |  |  |
| CMGT 420 | Construction Cost Control | 3 |  |  |
| CMGT 422 | Advanced Project Controls | 3 |  |  |
| CMGT 431 | Capstone Project: Residual and Commercial Construction | 3 |  |  |
| Select 3:  CMGT 323  CMGT 399  CMGT 400  CMGT 426  CMGT 427  CMGT 430  CMGT 494 | Select three courses from the following:  Land Planning and Development  Independent Study in Construction Management  Building Codes  Heavy Construction Techniques and Analysis  Construction Law and Legal Contracts  Design build  Seminar: Construction Management | 9 |  |  |
| MAT 119 | Pre-calculus Mathematics | 3 | MAT 171 | x |
| MAT 128 or  MAT 129 or  SAT 205 | Calculus A or  Calculus I or  Statistical Methods | 3-4 | (MAT 151 or MAT 161) + STA 251 | x |
| PHY 211 | General Physics with Laboratory I | 5 | PHY 201/202 | x |
|  | Standard Business Component or  Entrepreneurship Minor  (see Categories 6 and 7 below) | 12-18 |  |  |
|  | **Subtotal Major Credit Hours at NKU** | **48** |  |  |
|  | **Subtotal Major Credit Hours at GCTC** | **26** |  |  |
|  | **Total Major Credit Hours** | **43-44** |  |  |

**Category 5: Additional Requirements at NKU**

| **NKU Course** | **Course** | **Credits** | **KCTCS Course** | **Taken at KCTCS** |
| --- | --- | --- | --- | --- |
|  | **Subtotal Standard Business Component or Entrepreneurship Minor**  **(see Categories 6 and 7 below)** | **12-18** |  |  |
|  | **Total Baccalaureate Degree Credit Hours** | **122-128** |  |  |

#### Category 6: Standard Business Component

| **NKU Course** | **Course** | **Credits** | **GCTC Course** | **Taken at GCTC** |
| --- | --- | --- | --- | --- |
| BUS 230 | Legal Environment | 3 | BAS 267 |  |
| ECO 200 or  ECO 201 | Principles of Macroeconomics or  Principles of Microeconomics | 3 | ECO 201 | x |
| MGT 205 | Business Management Principles | 3 | BAS 283 |  |
| ACC 150 | Overview of Accounting | 3 |  |  |
| Select 2:  ECO 200  ECO 201  BUS 330  FIN 305  HRM 300  LDR 205  LDR 308  LDR 385  MKT 205 | Select two courses from the following:  Principles of Macroeconomics (if not taken above)  Principles of Microeconomics (if not taken above)  Ethics: Managerial Decision Making  Principles of Finance  Introduction to Labor-Management Relations  Human Relations in Organizations  Leadership Development  Teamwork in Organizations  Principles of Marketing  Other courses approved by department chair | 6 | ECO 202  BAS 282 |  |
|  | **Standard Business Component Credit Hours** | **15** |  |  |

#### Category 7: Entrepreneurship Minor

| **NKU Course** | **Course** | **Credits** | **GCTC Course** | **Taken at GCTC** |
| --- | --- | --- | --- | --- |
| ENTP 201 | Entrepreneurial Mindset | 3 |  |  |
| ENTP 202 | Opportunity Recognition | 3 |  |  |
| ENTP 290 | Idea Validation | 3 |  |  |
| ENTP 375 | Entrepreneurial Skills & Marketing | 3 |  |  |
| ENTP XXX | Two additional ENTP 300-level or above, or pre-approved courses from the student’s major | 6 |  |  |
|  | **Entrepreneurship Minor Credit Hours** | **18** |  |  |

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