TRANSFER PATHWAY GUIDE
2022-2023

Associate of Applied Science in Construction Management Technology at Sinclair College to a Bachelor of Science in Construction Management at Northern Kentucky University

Overview
Completion of the following curriculum will satisfy the requirements for the Associate of Applied Science (AAS) in Construction Management Technology degree at Sinclair College and leads to the Bachelor of Science (BS) in Construction Management degree at Northern Kentucky University (NKU).

Degree Requirements for Sinclair College
To earn a degree at Sinclair College, a student must complete a minimum of 60 credit hours, attain a minimum cumulative GPA of 2.0, complete state and college requirements, and earn a minimum of 20 credit hours at Sinclair College.

Admission Requirements for NKU
Students completing an associate degree at Sinclair with a cumulative GPA of 2.0 or higher will be accepted into NKU.

Tuition and Scholarships
For information on tuition and scholarships, please visit https://www.nku.edu/admissions/transfer.html

NKU Contact
For more information, students should contact Joel W. Vanhoose, Transfer Pathway Coordinator, at vanhoosej2@nku.edu.

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.
## Sinclair College AAS in Construction Management Technology To NKU BS in Construction Management Checklist

### Sinclair College

**Category 1: Sinclair Requirements for the AAS in Construction Management Technology**

<table>
<thead>
<tr>
<th>Sinclair Course</th>
<th>Course or Category</th>
<th>Credits</th>
<th>NKU Course</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAT 1101</td>
<td>Architectural Graphics I</td>
<td>3</td>
<td>CAT 1101 + CAT 1121 = CMGT 222 + CMGT 200T</td>
<td></td>
</tr>
<tr>
<td>CAT 1121</td>
<td>Architectural Graphics II</td>
<td>3</td>
<td>CAT 1101 + CAT 1121 = CMGT 222 + CMGT 200T</td>
<td></td>
</tr>
<tr>
<td>CAT 1161</td>
<td>Introduction to the Built Environment</td>
<td>3</td>
<td>CMGT 101</td>
<td></td>
</tr>
<tr>
<td>CAT 1201</td>
<td>Construction Methods &amp; Materials</td>
<td>3</td>
<td>CAT 1201 + CAT 1211 = CMGT 120 + CMGT 200T</td>
<td></td>
</tr>
<tr>
<td>CAT 1211</td>
<td>Construction Material Testing</td>
<td>2</td>
<td>CAT 1201 + CAT 1211 = CMGT 120 + CMGT 200T</td>
<td></td>
</tr>
<tr>
<td>CAT 1241</td>
<td>Building Systems</td>
<td>3</td>
<td>CMGT 121</td>
<td></td>
</tr>
<tr>
<td>CAT 1401</td>
<td>Construction Estimating</td>
<td>3</td>
<td>CMGT 320</td>
<td></td>
</tr>
<tr>
<td>CAT 1501</td>
<td>Fundamentals of Surveying &amp; Mapping</td>
<td>3</td>
<td>CMGT 220</td>
<td></td>
</tr>
<tr>
<td>CAT 2401</td>
<td>Engineering Technology Project Management</td>
<td>3</td>
<td>CMGT 200T</td>
<td></td>
</tr>
<tr>
<td>CAT 2411</td>
<td>Architectural Practice, Codes &amp; Laws</td>
<td>3</td>
<td>CMGT 300T</td>
<td></td>
</tr>
<tr>
<td>CAT 2431</td>
<td>OSHA 30 Hour</td>
<td>2</td>
<td>CMGT 225</td>
<td></td>
</tr>
<tr>
<td>CAT 2435</td>
<td>Construction Credentials</td>
<td>1</td>
<td>CMGT 100T</td>
<td></td>
</tr>
<tr>
<td>CAT 2702</td>
<td>Construction Management Technology Internship</td>
<td>2-4</td>
<td>CMGT 300</td>
<td></td>
</tr>
<tr>
<td>CAT 2782</td>
<td>Construction Management Technology Capstone</td>
<td>4</td>
<td>CMGT 300T</td>
<td></td>
</tr>
<tr>
<td>Select 1 course:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAT 1301</td>
<td>Select one course from the following:</td>
<td></td>
<td>CMGT 300T</td>
<td></td>
</tr>
<tr>
<td>CAT 2201</td>
<td>Introduction to Civil Construction CAD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAT 2531</td>
<td>Architectural Visualization</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM 2211</td>
<td>Effective Public Speaking</td>
<td>3</td>
<td>CMST 101</td>
<td></td>
</tr>
<tr>
<td>ENG 1101</td>
<td>English Composition I</td>
<td>3</td>
<td>ENG 101</td>
<td></td>
</tr>
<tr>
<td>EGV 1301</td>
<td>Architectural Energy Analysis</td>
<td>2</td>
<td>CMGT 200T</td>
<td></td>
</tr>
<tr>
<td>Sinclair Course</td>
<td>Course or Category</td>
<td>Credits</td>
<td>NKU Course</td>
<td>Completed</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------</td>
<td>---------</td>
<td>------------</td>
<td>-----------</td>
</tr>
<tr>
<td>MAT 1470 and MAT 1570 or MAT 1580</td>
<td>College Algebra and Trigonometry or Precalculus</td>
<td>5-6</td>
<td>(MAT 102 or MAT 103) + MAT 119 or MAT 119 + MAT 100T</td>
<td></td>
</tr>
<tr>
<td>TBS XXX</td>
<td>Ohio Transfer Module: Social &amp; Behavioral Sciences Elective (Recommend PLS 1120: American Government)</td>
<td>3</td>
<td>PSC 100 or TBD XXX</td>
<td></td>
</tr>
<tr>
<td>PHY 1141</td>
<td>College Physics I</td>
<td>4</td>
<td>PHY 211</td>
<td></td>
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</tbody>
</table>

**Total Associate Degree Hours**: 61-64

TBS XXX means To Be Selected by Sinclair College student
TBD XXX means To Be Determined by NKU based on courses selected at Sinclair College

**Northern Kentucky University**

### Category 2: NKU Additional General Education Courses

<table>
<thead>
<tr>
<th>NKU Course</th>
<th>Course</th>
<th>Credits</th>
<th>Sinclair Course</th>
<th>Taken at Sinclair</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 102</td>
<td>Advanced College Writing</td>
<td>3</td>
<td>ENG 1201</td>
<td></td>
</tr>
<tr>
<td>TBS XXX</td>
<td>Natural Science</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TBS XXX</td>
<td>Self &amp; Society</td>
<td>6</td>
<td>OTM Social &amp; Behavioral Sciences Course</td>
<td>x</td>
</tr>
<tr>
<td>TBS XXX</td>
<td>Culture and Creativity</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TBS XXX</td>
<td>Global Viewpoints</td>
<td>3</td>
<td></td>
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</table>

**Subtotal Additional General Education Credit Hours**: 21

### Category 3: NKU Major Requirements for BS in Construction Management

<table>
<thead>
<tr>
<th>NKU Course</th>
<th>Course</th>
<th>Credits</th>
<th>Sinclair Course</th>
<th>Taken at Sinclair</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMGT 101</td>
<td>Introduction to Construction Management</td>
<td>3</td>
<td>CAT 1161</td>
<td>x</td>
</tr>
<tr>
<td>CMGT 120</td>
<td>Construction Materials and Methods I</td>
<td>3</td>
<td>CAT 1201 + CAT 1211</td>
<td>x</td>
</tr>
<tr>
<td>CMGT 121</td>
<td>Construction Materials and Methods II</td>
<td>3</td>
<td>CAT 1241</td>
<td>x</td>
</tr>
<tr>
<td>CMGT 220</td>
<td>Construction Layout</td>
<td>3</td>
<td>CAT 1501</td>
<td>x</td>
</tr>
<tr>
<td>CMGT 222</td>
<td>Architectural Drafting and CAD</td>
<td>3</td>
<td>CAT 1101 + CAT 1121</td>
<td>x</td>
</tr>
<tr>
<td>CMGT 225</td>
<td>Construction Safety</td>
<td>3</td>
<td>CAT 2431</td>
<td>x</td>
</tr>
<tr>
<td>NKU Course</td>
<td>Course</td>
<td>Credits</td>
<td>Sinclair Course</td>
<td>Taken at Sinclair</td>
</tr>
<tr>
<td>------------</td>
<td>-------------------------------------------</td>
<td>---------</td>
<td>----------------</td>
<td>-------------------</td>
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<tr>
<td>CMGT 228</td>
<td>Soil and Foundation Interaction</td>
<td>3</td>
<td></td>
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<tr>
<td>CMGT 300</td>
<td>Cooperative Education (2 sessions)</td>
<td>0</td>
<td>CAT 2702</td>
<td>x (need 1 session)</td>
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<tr>
<td>CMGT 303</td>
<td>Construction Contracts, Documents, and Administration</td>
<td>3</td>
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<tr>
<td>CMGT 305</td>
<td>Mechanical Systems for Construction</td>
<td>3</td>
<td></td>
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<tr>
<td>CMGT 306</td>
<td>Electrical Systems for Construction</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>CMGT 320</td>
<td>Construction Estimating</td>
<td>3</td>
<td>CAT 1401</td>
<td>x</td>
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<tr>
<td>CMGT 322</td>
<td>Structural Analysis</td>
<td>3</td>
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<tr>
<td>CMGT 324</td>
<td>Construction Scheduling</td>
<td>3</td>
<td></td>
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<tr>
<td>CMGT 329</td>
<td>Construction Equipment</td>
<td>3</td>
<td></td>
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<tr>
<td>CMGT 415</td>
<td>Construction Management</td>
<td>3</td>
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<td>CMGT 420</td>
<td>Construction Cost Control</td>
<td>3</td>
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<tr>
<td>CMGT 422</td>
<td>Advanced Project Controls</td>
<td>3</td>
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<tr>
<td>CMGT 431</td>
<td>Capstone Project: Residual and Commercial Construction</td>
<td>3</td>
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<tr>
<td>Select 3:</td>
<td>Select three courses from the following:</td>
<td>9</td>
<td>CAT 2411 +</td>
<td>x (Need 1 course)</td>
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<tr>
<td>CMGT 323</td>
<td>Land Planning and Development</td>
<td></td>
<td>CAT 1301 or</td>
<td></td>
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<tr>
<td>CMGT 399</td>
<td>Independent Study in Construction Management</td>
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<td>CAT 2201 or CAT 2531</td>
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<tr>
<td>CMGT 400</td>
<td>Building Codes</td>
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<tr>
<td>CMGT 426</td>
<td>Heavy Construction Techniques and Analysis</td>
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<tr>
<td>CMGT 427</td>
<td>Construction Law and Legal Contracts</td>
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<tr>
<td>CMGT 430</td>
<td>Design build</td>
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<tr>
<td>CMGT 494</td>
<td>Seminar: Construction Management</td>
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<tr>
<td>MAT 119</td>
<td>Pre-calculus Mathematics</td>
<td>3</td>
<td>MAT 1570</td>
<td>x</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>MAT 1580</td>
<td></td>
</tr>
<tr>
<td>MAT 128 or</td>
<td>Calculus A or Calculus I or Statistical</td>
<td>3-4</td>
<td>MAT 2270</td>
<td></td>
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<tr>
<td>MAT 129 or</td>
<td>Methods</td>
<td></td>
<td>MAT 1450</td>
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<tr>
<td>SAT 205</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>PHY 211</td>
<td>General Physics with Laboratory I</td>
<td>5</td>
<td>PHY 1141</td>
<td>x</td>
</tr>
<tr>
<td></td>
<td>Standard Business Component or Entrepreneurial Studies Minor</td>
<td>18</td>
<td></td>
<td></td>
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<tr>
<td>(see Categories 4 and 5 tables below)</td>
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</tbody>
</table>

**Total NKU Major Credit Hours** 57

**Less Major Credit Hours from Sinclair** 35

**Subtotal Major Credit Hours at NKU** 92

**Total Baccalaureate Degree Credit Hours** 139
### Category 4: NKU Standard Business Component

<table>
<thead>
<tr>
<th>NKU Course</th>
<th>Course</th>
<th>Credits</th>
<th>Sinclair Course</th>
<th>Taken at Sinclair</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 230</td>
<td>Legal Environment</td>
<td>3</td>
<td>LAW 1101</td>
<td></td>
</tr>
<tr>
<td>ECO 200 or ECO 201</td>
<td>Principles of Macroeconomics or Principles of Microeconomics</td>
<td>3</td>
<td>ECO 2160 or ECO 2180</td>
<td></td>
</tr>
<tr>
<td>MGT 205</td>
<td>Business Management Principles</td>
<td>3</td>
<td>MAN 2150</td>
<td></td>
</tr>
<tr>
<td>ACC 150</td>
<td>Overview of Accounting</td>
<td>3</td>
<td>Satisfied by ACC 1210 or ACC 1220</td>
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</tr>
<tr>
<td>Select 2:</td>
<td>Select two courses from the following:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>ECO 200</td>
<td>Principles of Macroeconomics (if not taken above)</td>
<td></td>
<td></td>
<td>ECO 2160</td>
</tr>
<tr>
<td>ECO 201</td>
<td>Principles of Microeconomics (if not taken above)</td>
<td></td>
<td></td>
<td>ECO 2180</td>
</tr>
<tr>
<td>BUS 330</td>
<td>Ethics: Managerial Decision Making</td>
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</tr>
<tr>
<td>FIN 305</td>
<td>Principles of Finance</td>
<td></td>
<td></td>
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<tr>
<td>HRM 300</td>
<td>Introduction to Labor-Management Relations</td>
<td></td>
<td></td>
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<tr>
<td>LDR 205</td>
<td>Human Relations in Organizations</td>
<td></td>
<td></td>
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<tr>
<td>LDR 308</td>
<td>Leadership Development</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>LDR 385</td>
<td>Teamwork in Organizations</td>
<td></td>
<td></td>
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<tr>
<td>MKT 205</td>
<td>Principles of Marketing</td>
<td></td>
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<tr>
<td></td>
<td>Other courses approved by department chair</td>
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</table>

**Standard Business Component Credit Hours** 18

### Category 5: NKU Entrepreneurial Studies Minor

<table>
<thead>
<tr>
<th>NKU Course</th>
<th>Course</th>
<th>Credits</th>
<th>Sinclair Course</th>
<th>Taken at Sinclair</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTP 201</td>
<td>Entrepreneurial Mindset</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENTP 202</td>
<td>Opportunity Recognition</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>ENTP 290</td>
<td>Idea Validation</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENTP 375</td>
<td>Entrepreneurial Skills &amp; Marketing</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENTP XXX</td>
<td>Two additional ENTP 300-level or above, or pre-approved courses from the student’s major</td>
<td>6</td>
<td></td>
<td></td>
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</tbody>
</table>

**Entrepreneurship Minor Credit Hours** 18

Updated February 2022