

**APPENDIX 1
ARTICULATION AND TRANSFER TABLE**

Cuyahoga Community College: Associate of Applied Science in Construction Engineering Technology
Kent State University: Bachelor of Science in Construction Management

| EQUIVALENCIES CURRENTLY ON THE TRAFER TABLES | | | |
|---|----------------|---|----------------|
| Cuyahoga Community College | Credits | KENT STATE UNIVERSITY | Credits |
| OTM English Composition | | Kent Core Composition (6 credits) | |
| ENG 1010 College Composition I or ENG 101H Honors College Composition I | 3 | ENG 11011 College Writing I | 3 |
| ENG 1020 College Composition II or ENG 102H Honors College Composition II | 3 | ENG 21011 College Writing II @ | 3 |
| OTM Mathematics, Statics and Logic | | Kent Core Math/Critical Reasoning (3 credits) | |
| MATH 1530 College Algebra | 4 | MATH 11010 Algebra for Calculus | 3 |
| MATH 1540 Trigonometry or MATH 154H Trigonometry | 3 | MATH 11022 Trigonometry | 3 |
| OTM Arts and Humanities | | Kent Core Humanities or Fine Arts (9 credits) | |
| Numerous course options available* | 9 | Minimum one course each from Fine Arts & Humanities* | 9 |
| OTM Social and Behavioral Sciences | | Kent Core Social Sciences (6 credits) | |
| ECON 1620 Principles of Microeconomics (Suggested) | 3 | ECON 22060 Principles of Microeconomics | 3 |
| Numerous course options available* | 3 | One course in another area of study* | 3 |
| OTM Natural Sciences | | Kent Core Basic Sciences (8 credits) | |
| PHYS 1210 College Physics with Lab | 4 | PHY 13001 General College Physics I and PHY 13021 General College Physics Laboratory I | 3 1 |
| Numerous course options available | 3 | One additional science course | 3 |
| OTM (additional) | | Kent Core Additional (6 credits) | |
| MATH 1480 Modern Math for BUS/SOC II | 4 | MATH 11012 Intuitive Calculus @ | 4 |
| ECON 2610 Principles of Macroeconomics | 3 | ECON 22061 Principles of Macroeconomics @ | 3 |
| Program Requirements | | Program Requirements | |
| ACCT 1311 Financial Accounting^ | 3 | ACCT 23020 Introduction to Financial Accounting | 3 |
| BADM 1120 Principles of Management | 3 | MIS 24163 Principles of Management | 3 |
| MARK 2010 Principles of Marketing | 3 | MKTG 25010 Principles of Marketing | 3 |
| BADM 2150 Business Law | 3 | FIN 26074 Legal Environment of Business | 3 |
| ENG 2151 Technical Writing | 3 | ENG 20002 Introduction to Technical Writing | 3 |

* Students should select one course that is designated global diversity and one that is designated domestic diversity

| APPROVED NEW / REVISED EQUIVALENCIES TO BE PUT ON THE TRAFER TABLES | | | |
|---|----------------|--|----------------|
| Cuyahoga Community College | Credits | KENT STATE UNIVERSITY | Credits |
| CNST 1281 Construction Engineering Orientation | 3 | CMGT 10001 Introduction to Construction Management | 3 |
| CNST1410 Architectural CAD I | 3 | ID 24021 Integrated Digital Applications I | 3 |
| CNST 1510 Green Building & Sustainability I | 3 | TECH 27210 Introduction to Sustainability | 3 |
| CNST 2131 Construction Methods and Materials | 3 | CMGT 11071 Construction Materials and Methods I | 3 |
| CNST1731 Construction Print Reading | 3 | CMGT 22200 Construction Document Reading Upon transfer, required to also complete: CMGT 25000, Principles of L.E.E.D, 1 credit | 3 1 |
| CNST 2990 Construction Estimating & Cost Analysis | 3 | CMGT 41040 Construction Estimating I | 3 |
| CNST 2110 Basic Survey Practices | 3 | CMGT 31023 Construction Surveying | 3 |
| CNST 2210 Mechanical and Electrical Systems | 3 | CMGT 31033 Mechanical Systems | 3 |
| CNST 2330 Construction Scheduling | 3 | CMGT 42107 Construction Scheduling | 3 |
| MARCH 2018 - APPROVED NEW / REVISED EQUIVALENCIES TO BE PUT ON THE TRAFER TABLES | | | |
| Cuyahoga Community College | Credits | KENT STATE UNIVERSITY | Credits |
| CNST 1750 Construction Safety | 3 | CMGT 11044 Construction Safety | 3 |



| | | | |
|--|---|---|---|
| IT 1090 Computer Applications OR IT 1090H Honors Computer Applications | 3 | MIS 24053 Intro to Computer Applications | 3 |
| MET 1601 Technical Statics* | 3 | MERT 22005 Statics* | 3 |
| MET 2200 Strength of Materials* | 3 | MERT 22007 Strength of Materials* | 3 |
| ENG 2151 Technical Writing | 3 | ENG 20002 Introduction to Technical Writing | 3 |
| CNST 1410 Architectural CAD 1 | 3 | ID 24021 Integrated Digital Applications 1 | 3 |
| DECEMBER 2018 – APPROVED / NEW EQUIVALENCIES TO BE PUT ON TRANSFER TABLES | | | |
| CNST 2201 Introduction to Building Information Modeling | 3 | CMGT 42030 BIM for Construction Managers | 3 |

* MET 1601 Technical Statics equates to MERT 22005 and MET 2200 Strength of Materials equates to MERT 22007. **MERT 22005 and MERT 22007 is a substitution for ARCH 20301 Introduction to Building Structures.**



APPENDIX 2
GRADUATION REQUIREMENTS SUMMARY

Cuyahoga Community College: Associate of Applied Science in Construction Engineering Technology
Kent State University: Bachelor of Science in Construction Management

Minimum Total Hours: 127 (63 from Tri-C and 64 from Kent State according to above articulation table and Roadmap for 8 semesters – 4 at Tri-C and 4 at Kent State)

Minimum Upper-Division Hours (30000-40000 level course): 39

Minimum Kent Core Hours: 36

Minimum Major GPA: 2.250

Minimum Overall GPA: 2.000

| Suggested Sequence at Cuyahoga Community College | | | | | |
|--|--------------|------------|-------------------------------------|-----------|---|
| Course Subject and Title | Credit Hours | Upper Div. | Min. Grade | Major GPA | Important Notes |
| First Semester at Tri-C: [16 Credit Hours] | | | Kent State Equivalent Course | | |
| CNST 1281 Construction Engineering Orientation | 3 | | | | CMGT 10001 Intro to Construction Management |
| CNST 1731 Construction Print Reading | 3 | | | | CMGT 22000 Construction Document Reading |
| MATH 1530 College Algebra | 4 | | | | MATH 11010 Algebra for Calculus |
| Select one of the following: | | | | | |
| ENG 1010 College Composition I or ENG 101H Honors College Composition I | 3 | | | | ENG 11011 College Writing I |
| Select one of the following: | | | | | |
| IT 1090 Computer Applications or IT 109H Honors Computer Applications | 3 | | | | MIS 24053 Introduction to Computer Applications |
| Second Semester at Tri-C: [16 Credit Hours] | | | | | |
| CNST 1410 Architectural CAD I | 3 | | | | ID 24021 Integrated Digital Applications 1 |
| CNST 1750 Construction Safety | 3 | | | | CMGT 11044 Construction Safety |
| CNST 2131 Construction Methods and Materials | 3 | | | | CMGT 11071 Construction Methods and Materials |
| MATH 1540 Trigonometry | 3 | | | | MATH 11022 Trigonometry |
| PHYS 1210 College Physics I | 4 | | | | PHY 13001 & 13021 General College Physics I and Lab I |
| Third Semester at Tri-C: [15 Credit Hours] | | | | | |
| CNST 2201 Introduction to Building Information Modeling | 3 | | | | CMGT 42030 BIM for Construction Managers |
| CNST 2210 Mechanical and Electrical Systems | 3 | ■ | | | CMGT 31033 Mechanical Systems |
| CNST 2990 Construction Estimating & Cost Analysis | 3 | ■ | | | CMGT 41040 Construction Estimating I |
| ENG 2151 Technical Writing | 3 | | | | ENG 20002 Introduction to Technical Writing |
| MET 1601 Technical Statics* First of two Tri-C courses needed to sub for | 3 | | | | ARCH 20301 Introduction to Building Structures |
| Fourth Semester at Tri-C: [15 Credit Hours] | | | | | |
| CNST 2330 Construction Scheduling | 3 | ■ | | | CMGT 42107 Construction Scheduling |
| CNST 1510 Green Building & Sustainability | 3 | | | | TECH 27210 Introduction to Sustainability |
| MET 2200 Strength of Materials* Second of two Tri-C courses needed to sub for | 3 | | | | ARCH 20301 Introduction to Building Structures |
| ACCT 1311 Financial Accounting^ | 3 | | | | ACCT 23020 Introduction to Financial Accounting |
| Arts and Humanities/Social and Behavioral Sciences req. | 3 | | | | Kent Core |
| TRI-C TOTAL CREDIT HOURS | 62 | | | | |

^ If taken prior to fall 2019, Kent State University will also accept credit for ACCT 1310 Financial Accounting to fulfill ACCT 23020 Introduction to Financial Accounting



| Suggested Sequence at Kent State | | | | | |
|--|--------------|------------|------------|-----------|--|
| Course Subject and Title | Credit Hours | Upper Div. | Min. Grade | Major GPA | Important Notes |
| Fifth Semester (Fall) at Kent State: [15 Credit Hours] | | | | | |
| ECON 22060 Principles of Microeconomics | 3 | | | | |
| Social Sciences | 3 | | | | Kent Core – Social Science |
| CMGT 31023 Construction Surveying | 3 | ■ | | ■ | |
| Humanities and Fine Arts | 3 | | | | Kent Core – Fine Arts |
| MATH 11012 Intuitive Calculus | 3 | | | | |
| Sixth Semester (Spring) at Kent State: [16 Credit Hours] | | | | | |
| CMGT 21071 Construction Materials and Methods II | 3 | | | ■ | Spring only course |
| CMGT 25000 Principles of L.E.E.D. | 1 | | | ■ | Spring only course |
| CMGT 41041 Construction Estimating II | 3 | ■ | | ■ | Spring only course |
| ECON 22061 Principles of Macroeconomics | 3 | | | | |
| Basic Science | 3 | | | | |
| ENG 21011 College Writing II | 3 | | | | |
| Seventh Semester (Fall) at Kent State: [18 Credit Hours] | | | | | |
| CMGT 33092 Construction Management Internship | 3 | ■ | C | ■ | Fulfills writing intensive course and experiential learning requirements |
| ARCH 10001 Understanding Architecture | 3 | | | | Kent Core |
| FIN 26074 Legal Environment of Business | 3 | | | | |
| MIS 24163 Principles of Management | 3 | | | | |
| Elective (upper division) | 6 | ■ | | | All upper division electives must be taken in CMGT/CAED # |
| Eighth Semester (Spring) at Kent State: [15 Credit Hours] | | | | | |
| CMGT 31040 Electrical Systems for Construction Managers | 3 | ■ | | ■ | Spring only course |
| CMGT 42105 Construction Contracts and Law | 3 | ■ | | ■ | Spring only course |
| CMGT 42110 Construction Management Capstone | 3 | ■ | | ■ | |
| Elective (upper division) | 6 | ■ | | | All upper division electives must be taken in CMGT/CAED # Should fulfill diversity requirement if not satisfied earlier |
| KENT STATE UNIVERSITY TOTAL CREDIT HOURS | 64 | | | | |
| 127 Total Credit Hours to Graduate with the BS, including transfer coursework from Cuyahoga Community College | | | | | |

- There are three concentrations for the BS in Construction Management: Civil, Safety and MEP with each consisting of 4-5 three hour courses which can be completed for upper division elective hours.

* MET 1601 Technical Statics equates to MERT 22005 and MET 2200 Strength of Materials equates to MERT 22007. MERT 22005 and MERT 22007 is a substitution for ARCH 20301 Introduction to Building Structures.



It is recommended that students intending to pursue the Bachelor of Science in Construction Management through Kent State University consult with academic advisors at both Cuyahoga Community College and Kent State University.

For the Bachelor of Science in Construction Management at Kent State University, students can visit the [website www.kent.edu/caed](http://www.kent.edu/caed) or contact the College of Architecture and Environmental Design, 132 S. Lincoln, Kent, Ohio 44242-0001. Phone: 330-672-0382

This roadmap is a recommended semester-by-semester plan of study for the articulation from Cuyahoga Community College to Kent State.

Graduation Requirements Summary

| Minimum Total Hours | Minimum Upper-Division Hours | Minimum Kent Core Hours | Global / Domestic Diversity Course | Writing-Intensive | Experiential Learning | Minimum GPA | |
|---------------------|------------------------------|-------------------------|------------------------------------|-------------------|-----------------------|-------------|-------|
| 127 | 39 | 36 | Kent Core or General Electives | CMGT 33092 | CMGT 33092 | 2.250 | 2.000 |

Kent Core

Students must complete a minimum 36 credit hours of the Kent Core. Certain courses required in programs and in student's major field may also fulfill the Kent Core. Honors equivalents shall satisfy the Kent Core. None of the courses on the Kent Core list may be taken with a pass/fail grade. Visit www.kent.edu/catalog/kent-core for course list.

Diversity Course Requirement

Students must complete a two-course diversity requirement, consisting of one with a domestic (U.S.) focus and one with a global focus. One course must come from the Kent Core. The second course may be taken as a second Kent Core, within a major or minor, or as a general elective; or, with dean's approval, by completing one semester of study in another country. Visit www.kent.edu/catalog/diversity for course list.

Writing-Intensive Course Requirement

Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.000) grade. Visit www.kent.edu/catalog/wic for course list.

Experiential Learning Requirement (ELR)

To provide students with direct engagement in learning experiences that promote academic relevance, meaning and an understanding of real-world issues, students must complete this requirement at Kent State, either as a for-credit course or as a non-credit, non-course experience approved by the appropriate faculty member. Visit www.kent.edu/catalog/elr for course list.

Upper-Division Requirement

Students must complete a minimum 39 upper-division (numbered 30000 to 49999) credit hours of coursework. Programs in the College of Arts and Sciences require a minimum of 42 hours of upper-division coursework.

