

AAS IN CONSTRUCTION ENGINEERING TECHNOLOGY TO BS IN CONSTRUCTION MANAGEMENT

SUGGESTED SEQUENCE AT CUYAHOGA COMMUNITY COLLEGE

Semester One	16 Credits	KSU Equivalent
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 (KMCR)
Select one of the following: ENG 1010 College Composition I or ENG 101H Honors College Composition I	3	ENG 11011 College Writing I (KCP1)
Select one of the following: IT 1090 Computer Applications or IT 109H Honors Computer Applications	3	IT 11000 Introduction to Office Productivity Apps
Semester Two	16 Credits	KSU Equivalent
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 (KMCR)
PHYS 1210 College Physics I	4	PHY 13001 & 13021 General College Physics I and Lab I (KBS, KLAB)
Semester Three	15 Credits	KSU Equivalent
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* <i>First of two Tri-C courses needed to sub for ARCH 20301</i>	3	MERT 22005 Statics
Semester Four	15 Credits	KSU Equivalent
CNST 2330 Construction Scheduling	3	CMGT 42107 Construction Scheduling
CNST 1510 Green Building & Sustainability	3	ENGR 27210 Introduction to Sustainability
MET 2200 Strength of Materials* <i>Second of two Tri-C courses needed to sub for ARCH 20301</i>	3	MERT 22007 Strength of Materials
ACCT 1311 Financial Accounting [^]	3	ACCT 23020 Introduction to Financial Accounting
Arts and Humanities/Social and Behavioral Sciences req.	3	(KFA), (KHUM), or (KSS)

**62 TOTAL CREDIT HOURS TO COMPLETE
AAS FROM CUYAHOGA COMMUNITY COLLEGE**

SUGGESTED SEQUENCE AT KENT STATE

Semester Five	15 Credits
ECON 22060 Principles of Microeconomics (KSS)	3
Social Sciences (KSS – not ECON)	3
CMGT 31023 Construction Surveying	3
Humanities and Fine Arts (KHUM) or (KFA)****	3
MATH 11012 Intuitive Calculus	3
Semester Six	16 Credits
CMGT 21071 Construction Materials and Methods II**	3
CMGT 25000 Principles of L.E.E.D.**	1
CMGT 41041 Construction Estimating II**	3
ECON 22061 Principles of Macroeconomics (KSS)	3
Basic Science (KBS)	3
ENG 21011 College Writing II (KCP2)	3
Semester Seven	18 Credits
CMGT 33092 Construction Management Internship (minimum grade of C required) (ELR) (WIC)	3
ARCH 10001 Understanding Architecture (KFA)	3
FIN 26074 Legal Environment of Business	3
MIS 24163 Principles of Management	3
Elective (upper division)	6
Semester Eight	15 Credits
CMGT 31040 Electrical Systems for Construction Managers**	3
CMGT 42105 Construction Contracts and Law**	3
CMGT 42110 Construction Management Capstone	3
Elective (upper division)	6

**127 TOTAL CREDIT HOURS TO COMPLETE BS
FROM KSU, INCLUDING TRANSFER
COURSEWORK**

* 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.

** Spring only course.

*** All upper division electives must be taken in CMGT/CAED. 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.

**** Minimum one course must be selected from the Humanities in Arts and Sciences area, and minimum one course must be selected from the Fine Arts area.

[^] 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.

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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	
						Major GPA	Overall 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.

Contact Information:

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Cuyahoga County Community College

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