

CONSTRUCTION MANAGEMENT, BACHELOR OF SCIENCE (533)

Program Coordinator

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Construction Management involves planning, coordination, and control of projects from inception to completion. Construction Managers work out of a main or field office to perform a variety of important functions, including Project Planning, Cost Management, Time Management, Quality Management, Safety Management, and Contract Administration.

Career Opportunities

Graduates obtain employment in a wide variety of organizations, including construction management firms, general contractors, and specialty contractors serving the commercial, industrial, heavy civil, and residential construction sectors. They may choose to become specialists in estimating, scheduling, safety, quality, or field supervision. Typical job titles include project manager, project engineer, office engineer, field engineer, estimator, quantity surveyor, and superintendent, along with many others.

Program Description

The program in Construction Management is designed to provide students with technical and managerial skills needed to assume leading positions in the construction industry. A minor or second major is not required. Course requirements for the major are shown below. Students should consult with an advisor in planning their four-year degree program.

Program Requirements (71 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: <https://www.wku.edu/colonnade/colonnaderequirements.php>. (<https://www.wku.edu/colonnade/colonnaderequirements.php>)

Code	Title	Hours
AS 163	Architectural Drafting	3
MFGE 217	Industrial Materials	3
CM 261	Construction Methods and Materials	3
CM 262	Construction Laboratory	1
MFGE 271	Industrial Statistics	3
CM 282	Building Structures	3
AS 305	Building Codes	3
MFGE 310	Safety in Industry	3
SEAS 325	Survey of Building Systems	3
MFGE 371	Quality Assurance	3
MFGE 390	Project Management	3

MFGE 394	Lean Systems	3
SEAS 398	Internship I	1
MFGE 430	Technology Management / Supervision / Team Building	3
CM 490	Senior Research for Construction Management	3
CM 250 or CE 303	Contract Documents Construction Management	3
CM 346 or CE 410	Applied Soil Mechanics and Foundations Soil Mechanics	3
CM 363	Construction Estimating and Bidding	3
CM 462	Construction Scheduling	3
Select one of the following:		3-4
CE 160 & CE 161	Principles of Surveying and Principles of Surveying Lab	
AGMC 170 & AGMC 171	Introduction to Agricultural Mechanization and Introduction to Agricultural Mechanization Laboratory	
CE 316	Equipment & Methods	3
MGT 210	Organization and Management	3
Select one of the following introductory accounting-financial courses:		3
ACCT 220	Principles of Financial Accounting	
MKT 220	Basic Marketing Concepts	
MKT 325	Personal Selling	
FIN 161	Personal Finance	
FINC 161C	Personal Finance	
RE 170C	Essentials of Real Estate	
SUPR 100	Introduction to Commerce and Organizational Structures	
SUPR 102	Introduction to Ethical Issues in Organizations	
SUPR 110	Basic Bookkeeping and Performance Reporting	
SUPR 250	Entrepreneurship and Organizational Innovation	
SUPR 252	Selling and Sales Supervision	
ENT 312	Entrepreneurship	
Select one of the following Business Law courses:		3
MGT 301	Business Law	
MGT 333	Management of Nonprofit Organizations	
Select one of the following Intro to Economics/Principals of Economics:		3
AGEC 360	Agricultural Economics	
ECON 150	Introduction to Economics	
ECON 202	Principles of Economics (Micro)	
ECON 203	Principles of Economics (Macro)	
ECON 375	Moral Issues of Capitalism	
ECON 390	Economics, Law, and Public Choice	
ECO 150C	Introduction to Economics	

ECO 202C	Principles of Economics (Micro)
ECO 203C	Principles of Economics (Macro)
Total Hours	71-72

Additional Course

Code	Title	Hours
MATH 117	Trigonometry	3
Choose a Chemistry Course and Lab		4-5
CHEM 105 & CHEM 106	Fundamentals of General Chemistry and Fundamentals of General Chemistry Laboratory	
CHEM 120 & CHEM 121	College Chemistry I and College Chemistry I Laboratory	
Total Hours		7-8

Finish in Four Plan

First Year			
Fall	Hours	Spring	Hours
AS 163		3 CHEM 105 & CHEM 106 (or CHEM 120 and CHEM 121)	4
MATH 117		3 Colonnade: Natural & Physical Sciences	3
ENG 100		3 HIST 101 or HIST 102	3
Colonnade: Arts & Humanities		3 Colonnade: Human Communication	3
Economics Elective		3 Colonnade: Literary Studies	3
		15	16
Second Year			
Fall	Hours	Spring	Hours
CM 282		3 World Language	3
MFGE 310		3 MFGE 371	3
CE 160		3 CM 261	3
CE 161		1 CM 262	1
MFGE 217		3 MGT 210	3
Accounting/Finance Elective		3 General Elective	2
		16	15
Third Year			
Fall	Hours	Spring	Hours
CM 363		3 CE 316	3
AS 305		3 CM 462	3
CM 250		3 Business Law Elective	3
MFGE 394		3 Colonnade - Social & Cultural	3
ENG 300		3 Colonnade - Local to Global	3
		15	15
Fourth Year			
Fall	Hours	Spring	Hours
MFGE 430		3 CM 490	3
SEAS 325		3 MFGE 371	3
CE 410		3 SEAS 398	1
MFGE 390		3 Colonnade - Systems	3
General Elective		3 General Elective	3
		15	13
Total Hours 120			